

Fluor Hanford, Inc.
Post Office Box 1000
Richland, Washington 99352

0062017

FLUOR

Memorandum

To: S. J. Trent Date: T4180-03-SLF-050
October 09, 2002

From: S. L. Fitzgerald, Manager *SLF* Telephone: 373-7495
WSCF Analytical Services

cc: W/Attachments W/O Attachments
T. F. Dale S3-28 M. Neely S3-30
S. L. Fitzgerald S3-30 D. Hart S3-30
H. K. Meznarich S3-30 L. C. Swanson E6-35
J. E. Trechter S3-30 File/LB

Subject: FINAL RESULTS FOR 200-PW-2/200-PW-4 OU- BOREHOLE SOIL SAMPLING-
SAMPLE DELIVERY GROUP WSCF20031244-SAF NUMBER F03-006

- References: (1) Groundwater Protection Program-Letter of Instruction, FH-EIS-2003-MEN-001,
October 31, 2002
- (2) HNF-SD-CD-QAPP-017, Rev. 5, Waste Sampling and Characterization Facility
Quality Assurance Plan

This letter contains a narrative (Attachment 1) for the sample delivery group (WSCF20031244),
the analytical results (Attachment 2) and the sample receipt information (Attachment 3).

slf/ddw

Attachments 3

RECEIVED
JUL 07 2004
EDMC



T4180-03-SLF-050

ATTACHMENT 1

NARRATIVE

Consisting of 3 pages
Cover page not included

Sample Delivery Group	WSCF20031244
Sample Matrix	Soil
Sample Visual	Brown
SAF Number	F03-006
Data Deliverable	Summary Report

Introduction

Three (3) soil samples (B17HR8, B17HY3 and B17Y9) from the GPP were received at the WSCF Laboratory on September 10, 2003. These samples were analyzed for those analytes indicated on the attached copy of the chain of custody (COC) form in accordance with the *Groundwater Protection Program- Letter of Instruction*, referenced in the cover letter.

The narrative (Attachment 1) will address sample characteristics, analyses requested and general information in performance of the analytical methods. A Data Summary Report (Attachment 2) includes analytical results, a comment report detailing method abnormalities, tentatively identified peaks if applicable, method references, and Laboratory QC information. Copies of the chain of custody and Request for Sample Analysis forms are included as Attachment 3.

Analytical Methodology for Requested Analyses

- PCB's by EPA SW-846 Method 8082. Analytical work was performed with no deviations to the approved method.
- ICP-MS Metals by EPA Method 200.8 and ICP-AES Metals by EPA SW-846 Method 6010A. Analytical work was performed with no deviations to the approved method.
- Semi-VOA's by EPA SW-846 Method 8270B. Analytical work was performed with no deviations to the approved method.
- Alcohols and Glycols by EPA SW-846 Method 8015. Analytical work was performed with no deviations to the approved method.
- WTPH-D by WDOE Method NWTPH-Dx. Analytical work was performed with no deviations to the approved method.
- WTPH-G by WDOE Method NWTPH-Gx. Analytical work was performed with no deviations to the approved method.
- IC Anions and Ammonium by EPA SW-846 Method 300.0 and 300.7. Analytical work was performed with no deviations to the approved method for Ammonium, but a deviation was required for the Anions (see comments below).

- The pH by EPA Method 150.1. Analytical work was performed with no deviations to the approved method.
- Percent Solids by EPA Method 160.3. Analytical work was performed with no deviations to the approved method.
- Cyanide by EPA SW-846 Method 9010. Analytical work was performed with no deviations to the approved method.
- All RadChem analyses (AEA's, GEA) were run by internal WDOE accredited WSCF procedures. Analytical work was performed with no deviations to the approved method.

Comments

PCB's – The hold time(s) for this analysis was met. A Laboratory Control Sample, Matrix Spike and Matrix Spiked Duplicate were analyzed with each delivery group per the GPP Letter of Instruction. See page(s) 2-32 and 2-33 for QC details.

ICP-MS and ICP-AES Metals – The hold time(s) for this analysis was met. A Laboratory Control Sample, Matrix Spike and Matrix Spiked Duplicate were analyzed with each delivery group per the GPP Letter of Instruction. See page(s) 2-34, 2-35, 2-36, 2-37 and 2-43 for QC details.

VOA's – The hold time(s) for this analysis was met. A Laboratory Control Sample, Matrix Spike and Matrix Spiked Duplicate were analyzed with each delivery group per the GPP Letter of Instruction. See page(s) 2-55, 2-56, 2-57 and 2-58 for QC details.

Semi-VOA's – The hold time(s) for this analysis was met. A Laboratory Control Sample, Matrix Spike and Matrix Spiked Duplicate were analyzed with each delivery group per the GPP Letter of Instruction. See page(s) 2-38 2-39, 2-40, and 2-41 for QC details. Compounds listed on the tentatively identified peak report with an "N" qualifier have been identified with the program used to interpret the raw data.

Alcohols and Glycols – The hold time(s) for this analysis was met. A Laboratory Control Sample, Matrix Spike and Matrix Spiked Duplicate were analyzed with each delivery group per the GPP Letter of Instruction. See page(s) 2-54 for QC details.

WTPH-D – The hold time(s) for this analysis was met. A Laboratory Control Sample, Matrix Spike and Matrix Spiked Duplicate were analyzed with each delivery group per the GPP Letter of Instruction. See page(s) 2-42 for details.

WTPH-G – The hold time(s) for this analysis was met. A Laboratory Control Sample, Matrix Spike and Matrix Spiked Duplicate were analyzed with each delivery group per the GPP Letter of Instruction. See page(s) 2-53 for details.

IC Anions – The client requested hold time(s) for this analysis was not met. The client was notified and requested WSCF to continue with this analysis. A Laboratory Control Sample, Matrix Spike and Matrix Spiked Duplicate were analyzed with each delivery group per the GPP Letter of Instruction. See page(s) 2-45 and 2-46 for QC details.

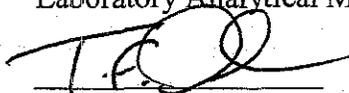
NH4 – The hold time(s) for this analysis was met. A Laboratory Control Sample, Matrix Spike and Matrix Spiked Duplicate were analyzed with each delivery group per the GPP Letter of Instruction. See page(s) 2-49 for QC details.

Percent Solids – PCB's, VOA's, Semi-VOA's, Alcohols and Glycols, WTPH-G and WTPH-D analytical results were corrected for percent solids. All other analytical results were reported for the sample as received.

CN – The hold time(s) for this analysis was met. A Laboratory Control Sample, Matrix Spike and Matrix Spiked Duplicate were analyzed with each delivery group per the GPP Letter of Instruction. See page(s) 2-44 for QC details.

RadChem – There are no hold times associated with these WDOE accredited methods. Except for GEA, a Laboratory Control Sample and Duplicate were analyzed with each delivery group per the GPP Letter of Instruction. See page(s) 2-47, 2-48, 2-50, 2-51, and 2-52 for QC details.

This Summary Report is in compliance with the SOW, both technically and for completeness. Release of the data contained in this hard copy report has been authorized by the WSCF Laboratory Analytical Manager and Client Services, as verified by the following signature.



Troy Dale
WSCF Production Control

Abbreviations

Hg – mercury

IC – ion chromatography

ICP – inductively coupled plasma

ICP/AES – ICP/atomic emission spectroscopy

ICP/MS – ICP/mass spectrometry

Total U – total uranium

AT/TB – total alpha/total beta

AEA – Alpha Energy Analysis

WTPH-G – Total Hydrocarbons-Gasoline

Am – americium

Cm – curium

Pu – plutonium

Np – neptunium

GEA – gamma energy analysis

H3 – Tritium

Sr – Strontium 89, 90

WTPH-D – Total Hydrocarbons-Diesel

TSS – Total Suspended Solids

T4180-03-SLF-050

ATTACHMENT 2

ANALYTICAL RESULTS

Consisting of 58 pages
Cover page not included

WSCF ANALYTICAL RESULTS REPORT

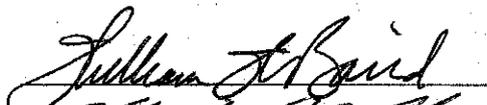
for

Ground Water Protection Program

Richland, WA 99352

Attention: Steve Trent

Analytical:



Client Services:



All results are reported on an "as received" basis unless otherwise noted in the comment section.

Confidentiality Notice: The information contained in this report is privileged and confidential information intended only for the use of the addressee. If the reader of this report is not the intended recipient, or the employee or agent responsible to deliver it to the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please notify us immediately by telephone at (509) 373-7020.

Contract#: F03-006
Report#: WSCF20031244
Report Date: 8-oct-2003
Report WGPP/ver. 1
Ground Water Protection Program

WSCF ANALYTICAL RESULTS REPORT

2 - 2

Attention: Steve Trent
Project: F03-006: 200-PW-2/PW-4

Group #: WSCF20031244

Sample #	Client ID	CAS #	Test Performed	Matrix	Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive	
W030000817	B17HR8	GPP	TRENT	57-12-5	Cyanide	SOIL	LA-695-402	U	<	0.200	mg/kg	1.00	0.20	09/25/03 09/10/03 09/10/03
W030000817	B17HR8	GPP	TRENT	NH4-N	Nitrogen in ammonium	SOIL	LA-503-401	U	<	0.200	mg/kg	50.00	0.20	09/30/03 09/10/03 09/10/03
W030000817	B17HR8	GPP	TRENT	TS	Total solids	SOIL	LA-519-412			97.1	%	1.00	0.0	09/18/03 09/10/03 09/10/03
W030000817	B17HR8	GPP	TRENT	PH	pH Measurement	SOIL	LA-212-411			9.32	pH	1.00	0.010	09/30/03 09/10/03 09/10/03
W030000817	B17HR8	GPP	TRENT	60-29-7	Diethyl ether	SOIL	Organics	U	<	5.00e+03	ug/kg	1.00	5.0e+03	09/23/03 09/10/03 09/10/03
W030000817	B17HR8	GPP	TRENT	67-56-1	Methanol	SOIL	Organics	U	<	1.00e+03	ug/kg	1.00	1.0e+03	09/23/03 09/10/03 09/10/03
W030000817	B17HR8	GPP	TRENT	107-21-1	Ethylene glycol	SOIL	Organics	U	<	5.00e+03	ug/kg	1.00	5.0e+03	09/23/03 09/10/03 09/10/03
W030000817	B17HR8	GPP	TRENT	14596-10-2	Americium-241	SOIL	LA-508-471	U		0.0200	pCi/g	1.00	0.024	10/01/03 09/10/03 09/10/03
W030000817	B17HR8	GPP	TRENT	E.T.C	Am-241 by AEA Total Cntg Error	SOIL	LA-508-471		+	0.0168	pCi/g	1.00	0.0	10/01/03 09/10/03 09/10/03
W030000817	B17HR8	GPP	TRENT	16984-48-8	Fluoride	SOIL	LA-533-410	U	<	0.350	mg/kg	50.00	0.35	09/17/03 09/10/03 09/10/03
W030000817	B17HR8	GPP	TRENT	16887-00-6	Chloride	SOIL	LA-533-410	B		1.64	mg/kg	50.00	0.70	09/17/03 09/10/03 09/10/03
W030000817	B17HR8	GPP	TRENT	NO2-N	Nitrogen in Nitrite	SOIL	LA-533-410	U	<	0.450	mg/kg	50.00	0.45	09/17/03 09/10/03 09/10/03
W030000817	B17HR8	GPP	TRENT	NO3-N	Nitrogen in Nitrate	SOIL	LA-533-410	B		0.581	mg/kg	50.00	0.25	09/17/03 09/10/03 09/10/03
W030000817	B17HR8	GPP	TRENT	14265-44-2	Phosphate	SOIL	LA-533-410	U	<	0.650	mg/kg	50.00	0.65	09/17/03 09/10/03 09/10/03
W030000817	B17HR8	GPP	TRENT	14808-79-8	Sulfate	SOIL	LA-533-410	B		5.84	mg/kg	50.00	1.2	09/17/03 09/10/03 09/10/03
W030000817	B17HR8	GPP	TRENT	10198-40-0	Cobalt-60	SOIL	LA-508-462	U		-2.38e-03	pCi/g	1.00	8.0e-03	09/25/03 09/10/03 09/10/03
W030000817	B17HR8	GPP	TRENT	E.T.C	Cp-60 Rel. Count Error (GEA)	SOIL	LA-508-462		+	4.74e-03	pCi/g	1.00	0.0	09/25/03 09/10/03 09/10/03
W030000817	B17HR8	GPP	TRENT	14234-35-6	Antimony-125	SOIL	LA-508-462	U		2.80e-03	pCi/g	1.00	0.024	09/25/03 09/10/03 09/10/03
W030000817	B17HR8	GPP	TRENT	E.T.C	Sb-125 Rel. Count Error (GEA)	SOIL	LA-508-462		+	0.0139	pCi/g	1.00	0.0	09/25/03 09/10/03 09/10/03
W030000817	B17HR8	GPP	TRENT	13967-70-9	Cesium-134	SOIL	LA-508-462	U		0.0253	pCi/g	1.00	0.031	09/25/03 09/10/03 09/10/03
W030000817	B17HR8	GPP	TRENT	E.T.C	Cs-134 Rel. Count Error (GEA)	SOIL	LA-508-462		+	0.0101	pCi/g	1.00	0.0	09/25/03 09/10/03 09/10/03
W030000817	B17HR8	GPP	TRENT	10045-97-3	Cesium-137	SOIL	LA-508-462	U		1.15e-03	pCi/g	1.00	8.3e-03	09/25/03 09/10/03 09/10/03
W030000817	B17HR8	GPP	TRENT	E.T.C	Cs-137 Rel. Count Error (GEA)	SOIL	LA-508-462		+	5.42e-03	pCi/g	1.00	0.0	09/25/03 09/10/03 09/10/03
W030000817	B17HR8	GPP	TRENT	14683-23-9	Europium-152	SOIL	LA-508-462	U		-0.0130	pCi/g	1.00	0.025	09/25/03 09/10/03 09/10/03
W030000817	B17HR8	GPP	TRENT	E.T.C	Eu-152 Rel. Count Error (GEA)	SOIL	LA-508-462		+	0.0157	pCi/g	1.00	0.0	09/25/03 09/10/03 09/10/03
W030000817	B17HR8	GPP	TRENT	15585-10-1	Europium-154	SOIL	LA-508-462	U		-4.23e-03	pCi/g	1.00	0.027	09/25/03 09/10/03 09/10/03
W030000817	B17HR8	GPP	TRENT	E.T.C	Eu-154 Rel. Count Error (GEA)	SOIL	LA-508-462		+	0.0183	pCi/g	1.00	0.0	09/25/03 09/10/03 09/10/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The analyte < the RDL but > = the IDL/MDL (inorganic)
J - Estimated Value

E - Analyte is an estimate, has potentially larger errors
U - Analyzed for but not detected above limiting criteria.

DF=Dilution Factor

* - Indicates results that have NOT been validated; + - Indicates more than six qualifier symbols

Report WGPP/ver. 1

Ground Water Protection Program

WSCF ANALYTICAL RESULTS REPORT

2-3

Attention:
Project:

Steve Trent
F03-006: 200-PW-2/PW-4

Group #: WSCF20031244

Sample #	Client ID	CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive	
W030000817	B17HR8	GPP	TRENT	14391-16-3	Europium-155	SOIL	LA-508-462 U	-8.81e-03	pCi/g	1.00	0.038	09/25/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	E,T,C	Eu-155 Rel. Count Error (GEA)	SOIL	LA-508-462 +- 0.0230	pCi/g	1.00	0.0	09/25/03	09/10/03	09/10/03	
W030000817	B17HR8	GPP	TRENT	15832-50-5	Tin-126	SOIL	LA-508-462 U	0.118	pCi/g	1.00	0.20	09/25/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	E,T,C	Sn-126 Rel. Count Error (GEA)	SOIL	LA-508-462 +- 0.0212	pCi/g	1.00	0.0	09/25/03	09/10/03	09/10/03	
W030000817	B17HR8	GPP	TRENT	15262-20-1	Radium-228	SOIL	LA-508-462	0.542	pCi/g	1.00	0.026	09/25/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	E,T,C	Ra-228 Rel. Count Error (GEA)	SOIL	LA-508-462 +- 0.0737	pCi/g	1.00	0.0	09/25/03	09/10/03	09/10/03	
W030000817	B17HR8	GPP	TRENT	13982-63-3	Radium-226	SOIL	LA-508-462	0.427	pCi/g	1.00	0.016	09/25/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	E,T,C	Ra-226 Rel. Count Error (GEA)	SOIL	LA-508-462 +- 0.0547	pCi/g	1.00	0.0	09/25/03	09/10/03	09/10/03	
W030000817	B17HR8	GPP	TRENT	13982-39-3	Zinc-65	SOIL	LA-508-462 U	2.35e-03	pCi/g	1.00	0.018	09/25/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	E,T,C	Zn-65 Rel. Count Error (GEA)	SOIL	LA-508-462 +- 0.0189	pCi/g	1.00	0.0	09/25/03	09/10/03	09/10/03	
W030000817	B17HR8	GPP	TRENT	14681-63-1	Niobium-94	SOIL	LA-508-462 U	2.32e-03	pCi/g	1.00	8.1e-03	09/25/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	E,T,C	Nb-94 Rel. Count Error (GEA)	SOIL	LA-508-462 +- 4.62e-03	pCi/g	1.00	0.0	09/25/03	09/10/03	09/10/03	
W030000817	B17HR8	GPP	TRENT	13968-53-1	Ruthenium-103	SOIL	LA-508-462 U	-1.23e-03	pCi/g	1.00	8.5e-03	09/25/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	E,T,C	Ru-103 Rel. Count Error (GEA)	SOIL	LA-508-462 +- 5.13e-03	pCi/g	1.00	0.0	09/25/03	09/10/03	09/10/03	
W030000817	B17HR8	GPP	TRENT	13967-48-1	Ruthenium-106	SOIL	LA-508-462 U	0.0176	pCi/g	1.00	0.069	09/25/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	E,T,C	Ru-106 Rel. Count Error (GEA)	SOIL	LA-508-462 +- 0.0392	pCi/g	1.00	0.0	09/25/03	09/10/03	09/10/03	
W030000817	B17HR8	GPP	TRENT	13966-06-8	Tin-113	SOIL	LA-508-462 U	-7.65e-03	pCi/g	1.00	0.011	09/25/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	E,T,C	Sn-113 Rel. Count Error (GEA)	SOIL	LA-508-462 +- 7.65e-03	pCi/g	1.00	0.0	09/25/03	09/10/03	09/10/03	
W030000817	B17HR8	GPP	TRENT	14762-78-8	Cerium-144	SOIL	LA-508-462 U	-3.26e-03	pCi/g	1.00	0.074	09/25/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	E,T,C	Ce-144 Rel. Count Error (GEA)	SOIL	LA-508-462 +- 0.0326	pCi/g	1.00	0.0	09/25/03	09/10/03	09/10/03	
W030000817	B17HR8	GPP	TRENT	14913-50-9	Thallium-208	SOIL	LA-508-462	0.153	pCi/g	1.00	8.4e-03	09/25/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	E,T,C	Tl-208 Rel. Count Error (GEA)	SOIL	LA-508-462 +- 0.0207	pCi/g	1.00	0.0	09/25/03	09/10/03	09/10/03	
W030000817	B17HR8	GPP	TRENT	14913-49-6	Bismuth-212	SOIL	LA-508-462	0.357	pCi/g	1.00	0.063	09/25/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	E,T,C	Bi-212 Rel. Count Error (GEA)	SOIL	LA-508-462 +- 0.0821	pCi/g	1.00	0.0	09/25/03	09/10/03	09/10/03	
W030000817	B17HR8	GPP	TRENT	16092-94-1	Lead-212	SOIL	LA-508-462	0.529	pCi/g	1.00	0.018	09/25/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	E,T,C	Pb-212 Rel. Count Error (GEA)	SOIL	LA-508-462 +- 0.0480	pCi/g	1.00	0.0	09/25/03	09/10/03	09/10/03	
W030000817	B17HR8	GPP	TRENT	14733-03-0	Bismuth-214	SOIL	LA-508-462	0.427	pCi/g	1.00	0.016	09/25/03	09/10/03	09/10/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The analyte < the RDL but > = the IDL/MDL (inorganic)
J - Estimated Value

E - Analyte is an estimate, has potentially larger errors
U - Analyzed for but not detected above limiting criteria.

DF=Dilution Factor

* - Indicates results that have NOT been validated; + - Indicates more than six qualifier symbols

Report WGPP/ver. 1

Ground Water Protection Program

WSCF ANALYTICAL RESULTS REPORT

Attention: Steve Trent
Project: F03-006: 200-PW-2/PW-4

Group #: WSCF20031244

Sample #	Client ID	CAS #	Test Performed	Matrix	Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive		
W030000817	B17HR8	GPP	TRENT	E.T.C	Bi-214 Rel. Count Error (GEA)	SOIL	LA-508-462	+	0.0547	pCi/g	1.00	0.0	09/25/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	15067-28-4	Lead-214	SOIL	LA-508-462		0.464	pCi/g	1.00	0.018	09/25/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	E.T.C	Pb-214 Rel. Count Error (GEA)	SOIL	LA-508-462	+	0.0464	pCi/g	1.00	0.0	09/25/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	14331-83-0	Actinium-228	SOIL	LA-508-462		0.542	pCi/g	1.00	0.026	09/25/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	E.T.C	Ac-228 Rel. Count Error (GEA)	SOIL	LA-508-462	+	0.0737	pCi/g	1.00	0.0	09/25/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	15065-10-8	Thorium-234	SOIL	LA-508-462	U	0.429	pCi/g	1.00	0.49	09/25/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	E.T.C	Th-234 Rel. Count Error (GEA)	SOIL	LA-508-462	+	0.375	pCi/g	1.00	0.0	09/25/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	15117-96-1	Uranium-235	SOIL	LA-508-462	U	0.0672	pCi/g	1.00	0.076	09/25/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	E.T.C	U-235 Rel. Count Error (GEA)	SOIL	LA-508-462	+	0.0169	pCi/g	1.00	0.0	09/25/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	14596-10-2	Americium-241	SOIL	LA-508-462	U	0.0460	pCi/g	1.00	0.058	09/25/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	E.T.C	Am-241 Rel. Count Error (GEA)	SOIL	LA-508-462	+	0.0373	pCi/g	1.00	0.0	09/25/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	7440-42-8	Boron	SOIL	LA-505-411	U	< 5.07	mg/kg	49.68	5.1	09/23/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	7440-69-9	Bismuth	SOIL	LA-505-411	U	< 4.97	mg/kg	49.68	5.0	09/23/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	7440-36-0	Antimony	SOIL	LA-505-412	U	< 4.86	mg/kg	9.71	4.9	09/22/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	7440-38-2	Arsenic	SOIL	LA-505-412	U	< 2.91	mg/kg	9.71	2.9	09/22/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	7440-39-3	Barium	SOIL	LA-505-412	E	21.7	mg/kg	9.71	1.9	09/22/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	7440-41-7	Beryllium	SOIL	LA-505-412	U	< 2.91	mg/kg	9.71	2.9	09/22/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	7440-43-9	Cadmium	SOIL	LA-505-412	U	< 0.971	mg/kg	9.71	0.97	09/22/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	7440-47-3	Chromium	SOIL	LA-505-412	U	< 2.91	mg/kg	9.71	2.9	09/22/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	7440-50-8	Copper	SOIL	LA-505-412		10.7	mg/kg	9.71	4.9	09/22/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	7439-92-1	Lead	SOIL	LA-505-412	U	< 11.7	mg/kg	9.71	12	09/22/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	7440-02-0	Nickel	SOIL	LA-505-412	U	< 4.86	mg/kg	9.71	4.9	09/22/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	7782-49-2	Selenium	SOIL	LA-505-412	U	< 2.91	mg/kg	9.71	2.9	09/22/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	7440-22-4	Silver	SOIL	LA-505-412		2.04	mg/kg	9.71	1.9	09/22/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	7440-61-1	Uranium	SOIL	LA-505-412	U	< 0.971	mg/kg	9.71	0.97	09/22/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	7439-97-6	Mercury	SOIL	LA-505-412	U	< 0.971	mg/kg	9.71	0.97	09/22/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	TPHGASOLINE	Total Pet. Hydrocarbons Gas	SOIL	NWTPH	U	< 250	ug/kg	1.00	2.5e +02	09/17/03	09/10/03	09/10/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The analyte < the RDL but > = the IDL/MDL (inorganic)
J - Estimated Value

E - Analyte is an estimate, has potentially larger errors
U - Analyzed for but not detected above limiting criteria.

DF=Dilution Factor

* - Indicates results that have NOT been validated; + - Indicates more than six qualifier symbols

Report WGPP/ver. 1

Ground Water Protection Program

WSCF ANALYTICAL RESULTS REPORT

2-5

Attention: Steve Trent
Project: F03-006: 200-PW-2/PW-4

Group #: WSCF20031244

Sample #	Client ID	CAS #	Test Performed	Matrix	WSCF		Result	Unit	DF	MDL	Analyze Sample Receive		
					Method	RQ							
W030000817	B17HR8	GPP TRENT 12674-11-2	Aroclor-1016	SOIL	LA-523-427	U	< 51.0	ug/kg	1.00	51	09/17/03	09/10/03	09/10/03
W030000817	B17HR8	GPP TRENT 11104-28-2	Aroclor-1221	SOIL	LA-523-427	U	< 100	ug/kg	1.00	1.0e+02	09/17/03	09/10/03	09/10/03
W030000817	B17HR8	GPP TRENT 11141-16-5	Aroclor-1232	SOIL	LA-523-427	U	< 51.0	ug/kg	1.00	51	09/17/03	09/10/03	09/10/03
W030000817	B17HR8	GPP TRENT 53469-21-9	Aroclor-1242	SOIL	LA-523-427	U	< 51.0	ug/kg	1.00	51	09/17/03	09/10/03	09/10/03
W030000817	B17HR8	GPP TRENT 12672-29-6	Aroclor-1248	SOIL	LA-523-427	U	< 51.0	ug/kg	1.00	51	09/17/03	09/10/03	09/10/03
W030000817	B17HR8	GPP TRENT 11097-69-1	Aroclor-1254	SOIL	LA-523-427	U	< 51.0	ug/kg	1.00	51	09/17/03	09/10/03	09/10/03
W030000817	B17HR8	GPP TRENT 11096-82-5	Aroclor-1260	SOIL	LA-523-427	U	< 51.0	ug/kg	1.00	51	09/17/03	09/10/03	09/10/03
W030000817	B17HR8	GPP TRENT 37324-23-5	Aroclor-1262	SOIL	LA-523-427	U	< 51.0	ug/kg	1.00	51	09/17/03	09/10/03	09/10/03
W030000817	B17HR8	GPP TRENT 11100-14-4	Aroclor-1268	SOIL	LA-523-427	U	< 51.0	ug/kg	1.00	51	09/17/03	09/10/03	09/10/03
W030000817	B17HR8	GPP TRENT 13981-16-3	Plutonium-238	SOIL	LA-508-471	U	-0.0150	pCi/g	1.00	0.056	10/01/03	09/10/03	09/10/03
W030000817	B17HR8	GPP TRENT E.T.C	Pu-238 by AEA Total Cntg Error	SOIL	LA-508-471		+ 0.0300	pCi/g	1.00	0.0	10/01/03	09/10/03	09/10/03
W030000817	B17HR8	GPP TRENT PU-239/240	Pu-239/240 by AEA	SOIL	LA-508-471	U	3.70e-03	pCi/g	1.00	0.022	10/01/03	09/10/03	09/10/03
W030000817	B17HR8	GPP TRENT E.T.C	Pu-239/240 AEA Total Cntg Err	SOIL	LA-508-471		+ 0.0118	pCi/g	1.00	0.0	10/01/03	09/10/03	09/10/03
W030000817	B17HR8	GPP TRENT 100-02-7	4-Nitrophenol	SOIL	LA-523-456	U	< 670	ug/kg	1.00	6.7e+02	09/19/03	09/10/03	09/10/03
W030000817	B17HR8	GPP TRENT 106-46-7	1,4-Dichlorobenzene	SOIL	LA-523-456	U	< 320	ug/kg	1.00	3.2e+02	09/19/03	09/10/03	09/10/03
W030000817	B17HR8	GPP TRENT 108-95-2	Phenol	SOIL	LA-523-456	U	< 100	ug/kg	1.00	1.0e+02	09/19/03	09/10/03	09/10/03
W030000817	B17HR8	GPP TRENT 120-82-1	1,2,4-Trichlorobenzene	SOIL	LA-523-456	U	< 300	ug/kg	1.00	3.0e+02	09/19/03	09/10/03	09/10/03
W030000817	B17HR8	GPP TRENT 121-14-2	2,4-Dinitrotoluene	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	09/19/03	09/10/03	09/10/03
W030000817	B17HR8	GPP TRENT 129-00-0	Pyrene	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	09/19/03	09/10/03	09/10/03
W030000817	B17HR8	GPP TRENT 59-50-7	4-Chloro-3-methylphenol	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	09/19/03	09/10/03	09/10/03
W030000817	B17HR8	GPP TRENT 621-64-7	N-Nitrosodi-n-dipropylamine	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	09/19/03	09/10/03	09/10/03
W030000817	B17HR8	GPP TRENT 83-32-9	Acenaphthene	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	09/19/03	09/10/03	09/10/03
W030000817	B17HR8	GPP TRENT 87-86-5	Pentachlorophenol	SOIL	LA-523-456	U	< 310	ug/kg	1.00	3.1e+02	09/19/03	09/10/03	09/10/03
W030000817	B17HR8	GPP TRENT 95-57-8	2-Chlorophenol	SOIL	LA-523-456	U	< 150	ug/kg	1.00	1.5e+02	09/19/03	09/10/03	09/10/03
W030000817	B17HR8	GPP TRENT 100-01-6	4-Nitroaniline	SOIL	LA-523-456	U	< 250	ug/kg	1.00	2.5e+02	09/19/03	09/10/03	09/10/03
W030000817	B17HR8	GPP TRENT 101-55-3	4-Bromophenylphenyl ether	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	09/19/03	09/10/03	09/10/03
W030000817	B17HR8	GPP TRENT 105-67-9	2,4-Dimethylphenol	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	09/19/03	09/10/03	09/10/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The analyte < the RDL but > = the IDL/MDL (inorganic)
J - Estimated Value

E - Analyte is an estimate, has potentially larger errors
U - Analyzed for but not detected above limiting criteria.

DF=Dilution Factor

* - Indicates results that have NOT been validated; + - Indicates more than six qualifier symbols

Report WGPP/ver. 1
Ground Water Protection Program

WSCF ANALYTICAL RESULTS REPORT

2-6

Attention:
Project:

Steve Trent
F03-006: 200-PW-2/PW-4

Group #: WSCF20031244

Sample #	Client ID	CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive	
W030000817	B17HR8	GPP	TRENT	106-47-8	4-Chloroaniline	SOIL	LA-523-456 U	< 96.0	ug/kg	1.00	96	09/19/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	108-60-1	Bis(2-chloro-1-methylethyl)eth	SOIL	LA-523-456 U	< 260	ug/kg	1.00	2.6e+02	09/19/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	111-44-4	Bis(2-chloroethyl) ether	SOIL	LA-523-456 U	< 250	ug/kg	1.00	2.5e+02	09/19/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	111-91-1	Bis(2-Chloroethoxy)methane	SOIL	LA-523-456 U	< 120	ug/kg	1.00	1.2e+02	09/19/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	117-81-7	Bis(2-ethylhexyl) phthalate	SOIL	LA-523-456 U	< 590	ug/kg	1.00	5.8e+02	09/19/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	117-84-0	Di-n-octylphthalate	SOIL	LA-523-456 U	< 69.0	ug/kg	1.00	69	09/19/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	118-74-1	Hexachlorobenzene	SOIL	LA-523-456 U	< 69.0	ug/kg	1.00	69	09/19/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	120-12-7	Anthracene	SOIL	LA-523-456 U	< 69.0	ug/kg	1.00	69	09/19/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	120-83-2	2,4-Dichlorophenol	SOIL	LA-523-456 U	< 82.0	ug/kg	1.00	82	09/19/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	131-11-3	Dimethyl phthalate	SOIL	LA-523-456 U	< 69.0	ug/kg	1.00	69	09/19/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	132-64-9	Dibenzofuran	SOIL	LA-523-456 U	< 69.0	ug/kg	1.00	69	09/19/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	191-24-2	Benzo(ghi)perylene	SOIL	LA-523-456 U	< 69.0	ug/kg	1.00	69	09/19/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	193-39-5	Indeno(1,2,3-cd)pyrene	SOIL	LA-523-456 U	< 69.0	ug/kg	1.00	69	09/19/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	205-99-2	Benzo(b)fluoranthene	SOIL	LA-523-456 U	< 69.0	ug/kg	1.00	69	09/19/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	206-44-0	Fluoranthene	SOIL	LA-523-456 U	< 69.0	ug/kg	1.00	69	09/19/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	207-08-9	Benzo(k)fluoranthene	SOIL	LA-523-456 U	< 69.0	ug/kg	1.00	69	09/19/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	208-96-8	Acenaphthylene	SOIL	LA-523-456 U	< 82.0	ug/kg	1.00	82	09/19/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	218-01-9	Chrysene	SOIL	LA-523-456 U	< 69.0	ug/kg	1.00	69	09/19/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	50-32-8	Benzo(a)pyrene	SOIL	LA-523-456 U	< 69.0	ug/kg	1.00	69	09/19/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	51-28-5	2,4-Dinitrophenol	SOIL	LA-523-456 U	< 690	ug/kg	1.00	6.9e+02	09/19/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	53-70-3	Dibenz(a,h)anthracene	SOIL	LA-523-456 U	< 69.0	ug/kg	1.00	69	09/19/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	534-52-1	4,6-Dinitro-2-methylphenol	SOIL	LA-523-456 U	< 690	ug/kg	1.00	6.9e+02	09/19/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	541-73-1	1,3-Dichlorobenzene	SOIL	LA-523-456 U	< 330	ug/kg	1.00	3.3e+02	09/19/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	56-55-3	Benzo(a)anthracene	SOIL	LA-523-456 U	< 69.0	ug/kg	1.00	69	09/19/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	606-20-2	2,6-Dinitrotoluene	SOIL	LA-523-456 U	< 69.0	ug/kg	1.00	69	09/19/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	7005-72-3	4-Chlorophenylphenyl ether	SOIL	LA-523-456 U	< 69.0	ug/kg	1.00	69	09/19/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	77-47-4	Hexachlorocyclopentadiene	SOIL	LA-523-456 U	< 320	ug/kg	1.00	3.2e+02	09/19/03	09/10/03	09/10/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The analyte < the RDL but > = the IDL/MDL (Inorganic)
J - Estimated Value

E - Analyte is an estimate, has potentially larger errors
U - Analyzed for but not detected above limiting criteria.

DF=Dilution Factor

* - Indicates results that have NOT been validated; + - Indicates more than six qualifier symbols

Report WGPP/ver. 1
Ground Water Protection Program

WSCF ANALYTICAL RESULTS REPORT

2-7

Attention:
Project:

Steve Trent
F03-006: 200-PW-2/PW-4

Group #: WSCF20031244

Sample #	Client ID	CAS #	Test Performed	Matrix	WSCF		Result	Unit	DF	MDL	Analyze Sample Receive					
					Method	RQ										
W030000817	B17HR8	GPP	TRENT	78-59-1	leophorone	SOIL	LA-523-456	U	<	69.0	ug/kg	1.00	69	09/19/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	84-66-2	Diethylphthalate	SOIL	LA-523-456	J		260	ug/kg	1.00	1.9e+02	09/19/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	84-74-2	Di-n-butylphthalate	SOIL	LA-523-456	U	<	89.0	ug/kg	1.00	89	09/19/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	85-01-8	Phenanthrene	SOIL	LA-523-456	U	<	69.0	ug/kg	1.00	69	09/19/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	85-68-7	Butylbenzylphthalate	SOIL	LA-523-456	U	<	69.0	ug/kg	1.00	69	09/19/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	86-30-6	N-Nitrosodiphenylamine	SOIL	LA-523-456	U	<	69.0	ug/kg	1.00	69	09/19/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	86-73-7	Fluorene	SOIL	LA-523-456	U	<	69.0	ug/kg	1.00	69	09/19/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	86-74-8	Carbazole	SOIL	LA-523-456	U	<	82.0	ug/kg	1.00	82	09/19/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	87-68-3	Hexachlorobutadiene	SOIL	LA-523-456	U	<	380	ug/kg	1.00	3.8e+02	09/19/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	88-74-4	2-Nitroaniline	SOIL	LA-523-456	U	<	69.0	ug/kg	1.00	69	09/19/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	88-75-5	2-Nitrophenol	SOIL	LA-523-456	U	<	180	ug/kg	1.00	1.8e+02	09/19/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	91-20-3	Naphthalene	SOIL	LA-523-456	U	<	290	ug/kg	1.00	2.9e+02	09/19/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	91-57-6	2-Methylnaphthalene	SOIL	LA-523-456	U	<	190	ug/kg	1.00	1.9e+02	09/19/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	91-58-7	2-Chloronaphthalene	SOIL	LA-523-456	U	<	69.0	ug/kg	1.00	69	09/19/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	91-94-1	3,3'-Dichlorobenzidine	SOIL	LA-523-456	U	<	82.0	ug/kg	1.00	82	09/19/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	95-48-7	2-Methylphenol (cresol, o-)	SOIL	LA-523-456	U	<	69.0	ug/kg	1.00	69	09/19/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	95-50-1	1,2-Dichlorobenzene	SOIL	LA-523-456	U	<	370	ug/kg	1.00	3.7e+02	09/19/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	95-95-4	2,4,5-Trichlorophenol	SOIL	LA-523-456	U	<	75.0	ug/kg	1.00	75	09/19/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	98-95-3	Nitrobenzene	SOIL	LA-523-456	U	<	270	ug/kg	1.00	2.7e+02	09/19/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	99-09-2	3-Nitroaniline	SOIL	LA-523-456	U	<	69.0	ug/kg	1.00	69	09/19/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	65794-96-9	3 & 4 Methylphenol Total	SOIL	LA-523-456	U	<	120	ug/kg	1.00	1.2e+02	09/19/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	67-72-1	Hexachloroethane	SOIL	LA-523-456	U	<	480	ug/kg	1.00	4.8e+02	09/19/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	88-06-2	2,4,6-Trichlorophenol	SOIL	LA-523-456	U	<	69.0	ug/kg	1.00	69	09/19/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	100-51-6	Benzyl alcohol	SOIL	LA-523-456	U	<	75.0	ug/kg	1.00	75	09/19/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	111-76-2	2-Butoxyethanol	SOIL	LA-523-456	U	<	100	ug/kg	1.00	1.0e+02	09/19/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	126-73-8	Tributyl phosphate	SOIL	LA-523-456	U	<	69.0	ug/kg	1.00	69	09/19/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	U-233/234	Uranium-233/234	SOIL	LA-508-471			0.120	pCi/g	1.00	5.2e-03	10/01/03	09/10/03	09/10/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The analyte < the RDL but > = the IDL/MDL (inorganic)
J - Estimated Value

E - Analyte is an estimate, has potentially larger errors
U - Analyzed for but not detected above limiting criteria.

DF=Dilution Factor

* - Indicates results that have NOT been validated; + - Indicates more than six qualifier symbols

Report WGPP/ver. 1

Ground Water Protection Program

WSCF ANALYTICAL RESULTS REPORT

Attention:
Project:

Steve Trent
F03-006: 200-PW-2/PW-4

Group #: WSCF20031244

Sample #	Client ID	CAS #	Test Performed	Matrix	WSCF		Result	Unit	DF	MDL	Analyze Sample Receive					
					Method	RQ										
W03000817	B17HR8	GPP	TRENT	E.T.C	U-233/234- AEA Total Cntg Error	SOIL	LA-508-471	+-	0.0432	pCi/g	1.00	0.0	10/01/03	09/10/03	09/10/03	
W03000817	B17HR8	GPP	TRENT	15117-96-1	Uranium-235	SOIL	LA-508-471		0.0120	pCi/g	1.00	5.7e-03	10/01/03	09/10/03	09/10/03	
W03000817	B17HR8	GPP	TRENT	E.T.C	U-235 by AEA Total Cntg Error	SOIL	LA-508-471	+-	0.0103	pCi/g	1.00	0.0	10/01/03	09/10/03	09/10/03	
W03000817	B17HR8	GPP	TRENT	U-238	Uranium-238	SOIL	LA-508-471		0.140	pCi/g	1.00	5.2e-03	10/01/03	09/10/03	09/10/03	
W03000817	B17HR8	GPP	TRENT	E.T.C	U-238 by AEA Total Cntg Error	SOIL	LA-508-471	+	0.0476	pCi/g	1.00	0.10	10/01/03	09/10/03	09/10/03	
W03000817	B17HR8	GPP	TRENT	75-35-4	1,1-Dichloroethene	SOIL	LA-523-455	U	<	2.10	ug/kg	1.00	2.1	09/22/03	09/10/03	09/10/03
W03000817	B17HR8	GPP	TRENT	79-01-6	Trichloroethene	SOIL	LA-523-455	U	<	2.10	ug/kg	1.00	2.1	09/22/03	09/10/03	09/10/03
W03000817	B17HR8	GPP	TRENT	71-43-2	Benzene	SOIL	LA-523-455	U	<	2.10	ug/kg	1.00	2.1	09/22/03	09/10/03	09/10/03
W03000817	B17HR8	GPP	TRENT	108-88-3	Toluene	SOIL	LA-523-455	U	<	2.10	ug/kg	1.00	2.1	09/22/03	09/10/03	09/10/03
W03000817	B17HR8	GPP	TRENT	108-90-7	Chlorobenzene	SOIL	LA-523-455	U	<	2.10	ug/kg	1.00	2.1	09/22/03	09/10/03	09/10/03
W03000817	B17HR8	GPP	TRENT	75-34-3	1,1-Dichloroethane	SOIL	LA-523-455	U	<	2.10	ug/kg	1.00	2.1	09/22/03	09/10/03	09/10/03
W03000817	B17HR8	GPP	TRENT	100-41-4	Ethylbenzene	SOIL	LA-523-455	U	<	2.10	ug/kg	1.00	2.1	09/22/03	09/10/03	09/10/03
W03000817	B17HR8	GPP	TRENT	100-42-5	Styrene	SOIL	LA-523-455	U	<	2.10	ug/kg	1.00	2.1	09/22/03	09/10/03	09/10/03
W03000817	B17HR8	GPP	TRENT	10061-01-5	cis-1,3-Dichloropropene	SOIL	LA-523-455	U	<	2.10	ug/kg	1.00	2.1	09/22/03	09/10/03	09/10/03
W03000817	B17HR8	GPP	TRENT	10061-02-6	trans-1,3-Dichloropropene	SOIL	LA-523-455	U	<	2.10	ug/kg	1.00	2.1	09/22/03	09/10/03	09/10/03
W03000817	B17HR8	GPP	TRENT	107-06-2	1,2-Dichloroethane	SOIL	LA-523-455	U	<	2.10	ug/kg	1.00	2.1	09/22/03	09/10/03	09/10/03
W03000817	B17HR8	GPP	TRENT	108-10-1	4-Methyl-2-Pentanone	SOIL	LA-523-455	U	<	2.10	ug/kg	1.00	2.1	09/22/03	09/10/03	09/10/03
W03000817	B17HR8	GPP	TRENT	124-48-1	Dibromochloromethane	SOIL	LA-523-455	U	<	2.10	ug/kg	1.00	2.1	09/22/03	09/10/03	09/10/03
W03000817	B17HR8	GPP	TRENT	127-18-4	Tetrachloroethene	SOIL	LA-523-455	U	<	2.10	ug/kg	1.00	2.1	09/22/03	09/10/03	09/10/03
W03000817	B17HR8	GPP	TRENT	1330-20-7	Xylenes (total)	SOIL	LA-523-455	U	<	2.10	ug/kg	1.00	2.1	09/22/03	09/10/03	09/10/03
W03000817	B17HR8	GPP	TRENT	540-59-0	1,2-Dichloroethene(Total)	SOIL	LA-523-455	U	<	2.10	ug/kg	1.00	2.1	09/22/03	09/10/03	09/10/03
W03000817	B17HR8	GPP	TRENT	56-23-5	Carbon tetrachloride	SOIL	LA-523-455	U	<	2.10	ug/kg	1.00	2.1	09/22/03	09/10/03	09/10/03
W03000817	B17HR8	GPP	TRENT	591-78-6	2-Hexanone	SOIL	LA-523-455	U	<	2.10	ug/kg	1.00	2.1	09/22/03	09/10/03	09/10/03
W03000817	B17HR8	GPP	TRENT	67-64-1	Acetone	SOIL	LA-523-455	U	<	2.10	ug/kg	1.00	2.1	09/22/03	09/10/03	09/10/03
W03000817	B17HR8	GPP	TRENT	67-66-3	Chloroform	SOIL	LA-523-455	U	<	2.10	ug/kg	1.00	2.1	09/22/03	09/10/03	09/10/03
W03000817	B17HR8	GPP	TRENT	71-55-6	1,1,1-Trichloroethane	SOIL	LA-523-455	U	<	2.10	ug/kg	1.00	2.1	09/22/03	09/10/03	09/10/03
W03000817	B17HR8	GPP	TRENT	74-83-9	Bromomethane	SOIL	LA-523-455	U	<	2.10	ug/kg	1.00	2.1	09/22/03	09/10/03	09/10/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The analyte < the RDL but > = the IDL/MDL (inorganic)
J - Estimated Value

E - Analyte is an estimate, has potentially larger errors
U - Analyzed for but not detected above limiting criteria.

DF=Dilution Factor

* - Indicates results that have NOT been validated; + - Indicates more than six qualifier symbols

Report WGPP/ver. 1

Ground Water Protection Program

WSCF ANALYTICAL RESULTS REPORT

2-9

Attention:
Project:

Steve Trent
F03-006: 200-PW-2/PW-4

Group #: WSCF20031244

Sample #	Client ID	CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive	
W030000817	B17HR8	GPP	TRENT	74-87-3	Chloromethane	SOIL	LA-523-455 U	< 2.10	ug/kg	1.00	2.1	09/22/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	75-00-3	Chloroethane	SOIL	LA-523-455 U	< 2.10	ug/kg	1.00	2.1	09/22/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	75-01-4	Vinyl chloride	SOIL	LA-523-455 U	< 2.10	ug/kg	1.00	2.1	09/22/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	75-09-2	Methylenechloride	SOIL	LA-523-455 U	< 2.10	ug/kg	1.00	2.1	09/22/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	75-15-0	Carbon disulfide	SOIL	LA-523-455 U	< 2.10	ug/kg	1.00	2.1	09/22/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	75-25-2	Bromoform	SOIL	LA-523-455 U	< 2.10	ug/kg	1.00	2.1	09/22/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	75-27-4	Bromodichloromethane	SOIL	LA-523-455 U	< 2.10	ug/kg	1.00	2.1	09/22/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	78-87-5	1,2-Dichloropropane	SOIL	LA-523-455 U	< 2.10	ug/kg	1.00	2.1	09/22/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	78-93-3	2-Butanone	SOIL	LA-523-455 U	< 2.10	ug/kg	1.00	2.1	09/22/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	79-00-5	1,1,2-Trichloroethane	SOIL	LA-523-455 U	< 2.10	ug/kg	1.00	2.1	09/22/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	79-34-5	1,1,2,2-Tetrachloroethane	SOIL	LA-523-455 U	< 2.10	ug/kg	1.00	2.1	09/22/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	71-36-3	1-Butanol	SOIL	LA-523-455 U	< 41.0	ug/kg	1.00	41	09/22/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	107-87-9	2-Pentanone	SOIL	LA-523-455 U	< 2.10	ug/kg	1.00	2.1	09/22/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	104-51-8	n-Butylbenzene	SOIL	LA-523-455 U	< 2.10	ug/kg	1.00	2.1	09/22/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	TPHDIESEL	Total Pet. Hydrocarbons Diesel	SOIL	NWTPH U	< 3.90e+03	ug/kg	1.00	3.9e+03	09/22/03	09/10/03	09/10/03
W030000817	B17HR8	GPP	TRENT	TPHKEROSENE	Kerosene	SOIL	NWTPH U	< 3.90e+03	ug/kg	1.00	3.9e+03	09/22/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	57-12-5	Cyanide	SOIL	LA-695-402 U	< 0.200	mg/kg	1.00	0.20	09/25/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	NH4-N	Nitrogen in ammonium	SOIL	LA-503-401 U	< 0.200	mg/kg	50.00	0.20	09/30/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	TS	Total solids	SOIL	LA-519-412	97.2	%	1.00	0.0	09/18/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	PH	pH Measurement	SOIL	LA-212-411	8.72	pH	1.00	0.010	09/30/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	60-29-7	Diethyl ether	SOIL	Organics U	< 5.00e+03	ug/kg	1.00	5.0e+03	09/23/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	67-56-1	Methanol	SOIL	Organics U	< 1.00e+03	ug/kg	1.00	1.0e+03	09/23/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	107-21-1	Ethylene glycol	SOIL	Organics U	< 5.00e+03	ug/kg	1.00	5.0e+03	09/23/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	14596-10-2	Americium-241	SOIL	LA-508-471	0.0260	pCi/g	1.00	0.013	10/01/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	E.T.C	Am-241 by AEA Total Cntg Error	SOIL	LA-508-471	+ 0.0146	pCi/g	1.00	0.0	10/01/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	16984-48-8	Fluoride	SOIL	LA-533-410 U	< 0.350	mg/kg	50.00	0.35	09/17/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	16887-00-6	Chloride	SOIL	LA-533-410 B	7.56	mg/kg	50.00	0.70	09/17/03	09/10/03	09/10/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The analyte < the RDL but > = the IDL/MDL (inorganic)
J - Estimated Value

E - Analyte is an estimate, has potentially larger errors
U - Analyzed for but not detected above limiting criteria.

DF=Dilution Factor

* - Indicates results that have NOT been validated; + - Indicates more than six qualifier symbols

Report WGPP/ver. 1

Ground Water Protection Program

WSCF ANALYTICAL RESULTS REPORT

Attention:
Project:

Steve Trent
F03-006: 200-PW-2/PW-4

Group #: WSCF20031244

Sample #	Client ID	CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive	
W030000818	B17HY3	GPP	TRENT	NO2-N	Nitrogen in Nitrite	SOIL	LA-533-410 U	< 0.450	mg/kg	50.00	0.45	09/17/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	NO3-N	Nitrogen in Nitrate	SOIL	LA-533-410 B	2.06	mg/kg	50.00	0.25	09/17/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	14265-44-2	Phosphate	SOIL	LA-533-410 U	< 0.650	mg/kg	50.00	0.65	09/17/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	14808-79-8	Sulfate	SOIL	LA-533-410 B	53.0	mg/kg	50.00	1.2	09/17/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	10198-40-0	Cobalt-60	SOIL	LA-508-462 U	1.12e-03	pCi/g	1.00	0.010	09/25/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	E,T,C	Co-60 Rel. Count Error (GEA)	SOIL	LA-508-462	+ 5.72e-03	pCi/g	1.00	0.0	09/25/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	14234-35-6	Antimony-125	SOIL	LA-508-462 U	4.03e-04	pCi/g	1.00	0.029	09/25/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	E,T,C	Sb-125 Rel. Count Error (GEA)	SOIL	LA-508-462	+ 4.03e-03	pCi/g	1.00	0.0	09/25/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	13967-70-9	Cesium-134	SOIL	LA-508-462 U	0.0353	pCi/g	1.00	0.044	09/25/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	E,T,C	Cs-134 Rel. Count Error (GEA)	SOIL	LA-508-462	+ 0.0130	pCi/g	1.00	0.0	09/25/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	10045-97-3	Cesium-137	SOIL	LA-508-462	0.0190	pCi/g	1.00	0.011	09/25/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	E,T,C	Cs-137 Rel. Count Error (GEA)	SOIL	LA-508-462	+ 9.78e-03	pCi/g	1.00	0.0	09/25/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	14683-23-9	Europlium-152	SOIL	LA-508-462 U	-0.0128	pCi/g	1.00	0.031	09/25/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	E,T,C	Eu-152 Rel. Count Error (GEA)	SOIL	LA-508-462	+ 0.0202	pCi/g	1.00	0.0	09/25/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	15585-10-1	Europlium-154	SOIL	LA-508-462 U	0.0274	pCi/g	1.00	0.034	09/25/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	E,T,C	Eu-154 Rel. Count Error (GEA)	SOIL	LA-508-462	+ 0.0212	pCi/g	1.00	0.0	09/25/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	14391-16-3	Europlium-155	SOIL	LA-508-462 U	0.0153	pCi/g	1.00	0.046	09/25/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	E,T,C	Eu-155 Rel. Count Error (GEA)	SOIL	LA-508-462	+ 0.0274	pCi/g	1.00	0.0	09/25/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	15832-50-5	Tin-126	SOIL	LA-508-462 U	0.0933	pCi/g	1.00	0.10	09/25/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	E,T,C	Sn-126 Rel. Count Error (GEA)	SOIL	LA-508-462	+ 0.0254	pCi/g	1.00	0.0	09/25/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	15262-20-1	Radium-228	SOIL	LA-508-462	0.504	pCi/g	1.00	0.033	09/25/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	E,T,C	Ra-228 Rel. Count Error (GEA)	SOIL	LA-508-462	+ 0.0781	pCi/g	1.00	0.0	09/25/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	13982-63-3	Radium-226	SOIL	LA-508-462	0.399	pCi/g	1.00	0.020	09/25/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	E,T,C	Ra-226 Rel. Count Error (GEA)	SOIL	LA-508-462	+ 0.0551	pCi/g	1.00	0.0	09/25/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	13982-39-3	Zinc-65	SOIL	LA-508-462 U	7.45e-03	pCi/g	1.00	0.025	09/25/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	E,T,C	Zn-65 Rel. Count Error (GEA)	SOIL	LA-508-462	+ 0.0166	pCi/g	1.00	0.0	09/25/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	14681-63-1	Niobium-94	SOIL	LA-508-462 U	3.57e-03	pCi/g	1.00	9.9e-03	09/25/03	09/10/03	09/10/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The analyte < the RDL but > = the IDL/MDL (inorganic)
J - Estimated Value

E - Analyte is an estimate, has potentially larger errors
U - Analyzed for but not detected above limiting criteria.

DF=Dilution Factor

* - Indicates results that have NOT been validated; + - Indicates more than six qualifier symbols

Report WGPP/ver. 1

Ground Water Protection Program

WSCF ANALYTICAL RESULTS REPORT

2-11

Attention: Steve Trent
Project: F03-006: 200-PW-2/PW-4

Group #: WSCF20031244

Sample #	Client ID	CAS #	Test Performed	Matrix	WSCF		Result	Unit	DF	MDL	Analyze Sample Receive				
					Method	RQ									
W030000818	B17HY3	GPP	TRENT	E.T.C	Nb-94 Rel. Count Error (GEA)	SOIL	LA-508-462	+	8.43e-03	pCi/g	1.00	0.0	09/25/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	13968-53-1	Ruthenium-103	SOIL	LA-508-462	U	1.28e-03	pCi/g	1.00	0.011	09/25/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	E.T.C	Ru-103 Rel. Count Error (GEA)	SOIL	LA-508-462	+	6.59e-03	pCi/g	1.00	0.0	09/25/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	13967-48-1	Ruthenium-106	SOIL	LA-508-462	U	0.0191	pCi/g	1.00	0.090	09/25/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	E.T.C	Ru-106 Rel. Count Error (GEA)	SOIL	LA-508-462	+	0.0508	pCi/g	1.00	0.0	09/25/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	13966-06-8	Tin-113	SOIL	LA-508-462	U	-7.23e-03	pCi/g	1.00	0.013	09/25/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	E.T.C	Sn-113 Rel. Count Error (GEA)	SOIL	LA-508-462	+	7.95e-03	pCi/g	1.00	0.0	09/25/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	14762-78-8	Cerium-144	SOIL	LA-508-462	U	0.0288	pCi/g	1.00	0.086	09/25/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	E.T.C	Ce-144 Rel. Count Error (GEA)	SOIL	LA-508-462	+	0.0539	pCi/g	1.00	0.0	09/25/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	14913-50-9	Thallium-208	SOIL	LA-508-462		0.166	pCi/g	1.00	9.7e-03	09/25/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	E.T.C	Tl-208 Rel. Count Error (GEA)	SOIL	LA-508-462	+	0.0224	pCi/g	1.00	0.0	09/25/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	14913-49-6	Bismuth-212	SOIL	LA-508-462		0.356	pCi/g	1.00	0.078	09/25/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	E.T.C	Bi-212 Rel. Count Error (GEA)	SOIL	LA-508-462	+	0.101	pCi/g	1.00	0.0	09/25/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	15092-94-1	Lead-212	SOIL	LA-508-462		0.557	pCi/g	1.00	0.021	09/25/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	E.T.C	Pb-212 Rel. Count Error (GEA)	SOIL	LA-508-462	+	0.0518	pCi/g	1.00	0.0	09/25/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	14733-03-0	Bismuth-214	SOIL	LA-508-462		0.399	pCi/g	1.00	0.020	09/25/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	E.T.C	Bi-214 Rel. Count Error (GEA)	SOIL	LA-508-462	+	0.0551	pCi/g	1.00	0.0	09/25/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	15067-28-4	Lead-214	SOIL	LA-508-462		0.441	pCi/g	1.00	0.023	09/25/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	E.T.C	Pb-214 Rel. Count Error (GEA)	SOIL	LA-508-462	+	0.0472	pCi/g	1.00	0.0	09/25/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	14331-83-0	Actinium-228	SOIL	LA-508-462		0.504	pCi/g	1.00	0.033	09/25/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	E.T.C	Ac-228 Rel. Count Error (GEA)	SOIL	LA-508-462	+	0.0781	pCi/g	1.00	0.0	09/25/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	15065-10-8	Thorium-234	SOIL	LA-508-462		0.734	pCi/g	1.00	0.59	09/25/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	E.T.C	Th-234 Rel. Count Error (GEA)	SOIL	LA-508-462	+	0.250	pCi/g	1.00	0.0	09/25/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	15117-96-1	Uranium-235	SOIL	LA-508-462	U	0.0811	pCi/g	1.00	0.084	09/25/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	E.T.C	U-235 Rel. Count Error (GEA)	SOIL	LA-508-462	+	0.0609	pCi/g	1.00	0.0	09/25/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	14596-10-2	Americium-241	SOIL	LA-508-462	U	-0.0107	pCi/g	1.00	0.070	09/25/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	E.T.C	Am-241 Rel. Count Error (GEA)	SOIL	LA-508-462	+	0.0412	pCi/g	1.00	0.0	09/25/03	09/10/03	09/10/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The analyte < the RDL but > = the IDL/MDL (inorganic)
J - Estimated Value

E - Analyte is an estimate, has potentially larger errors
U - Analyzed for but not detected above limiting criteria.

DF=Dilution Factor

* - Indicates results that have NOT been validated; + - Indicates more than six qualifier symbols

Report WGPP/ver. 1

Ground Water Protection Program

WSCF ANALYTICAL RESULTS REPORT

2-12

Attention: Steve Trent
Project: F03-006: 200-PW-2/PW-4

Group #: WSCF20031244

Sample #	Client ID	CAS #	Test Performed	Matrix	WSCF			Result	Unit	DF	MDL	Analyze Sample Receive				
					Method	RQ										
W030000818	B17HY3	GPP	TRENT	7440-42-8	Boron	SOIL	LA-505-411	U	<	5.08	mg/kg	49.84	5.1	09/23/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	7440-69-9	Bismuth	SOIL	LA-505-411	U	<	4.98	mg/kg	49.84	5.0	09/23/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	7440-38-0	Antimony	SOIL	LA-505-412	U	<	4.93	mg/kg	9.86	4.9	09/22/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	7440-38-2	Arsenic	SOIL	LA-505-412	U	<	2.96	mg/kg	9.86	3.0	09/22/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	7440-39-3	Barium	SOIL	LA-505-412	E		24.6	mg/kg	9.86	2.0	09/22/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	7440-41-7	Beryllium	SOIL	LA-505-412	U	<	2.96	mg/kg	9.86	3.0	09/22/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	7440-43-9	Cadmium	SOIL	LA-505-412	U	<	0.986	mg/kg	9.86	0.99	09/22/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	7440-47-3	Chromium	SOIL	LA-505-412	U	<	2.96	mg/kg	9.86	3.0	09/22/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	7440-50-8	Copper	SOIL	LA-505-412			8.48	mg/kg	9.86	4.9	09/22/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	7439-92-1	Lead	SOIL	LA-505-412	U	<	11.8	mg/kg	9.86	12	09/22/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	7440-02-0	Nickel	SOIL	LA-505-412	U	<	6.50	mg/kg	9.86	4.9	09/22/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	7782-49-2	Selenium	SOIL	LA-505-412	U	<	2.96	mg/kg	9.86	3.0	09/22/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	7440-22-4	Silver	SOIL	LA-505-412	U	<	1.97	mg/kg	9.86	2.0	09/22/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	7440-61-1	Uranium	SOIL	LA-505-412	U	<	0.986	mg/kg	9.86	0.99	09/22/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	7439-97-6	Mercury	SOIL	LA-505-412	U	<	0.986	mg/kg	9.86	0.99	09/22/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	TPHGASOLINE	Total Pet. Hydrocarbons Gas	SOIL	NWTPH	U	<	250	ug/kg	1.00	2.5e+02	09/17/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	12674-11-2	Aroclor-1016	SOIL	LA-523-427	U	<	50.0	ug/kg	1.00	50	09/17/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	11104-28-2	Aroclor-1221	SOIL	LA-523-427	U	<	100	ug/kg	1.00	1.0e+02	09/17/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	11141-16-5	Aroclor-1232	SOIL	LA-523-427	U	<	50.0	ug/kg	1.00	50	09/17/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	53469-21-9	Aroclor-1242	SOIL	LA-523-427	U	<	50.0	ug/kg	1.00	50	09/17/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	12672-29-6	Aroclor-1248	SOIL	LA-523-427	U	<	50.0	ug/kg	1.00	50	09/17/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	11097-69-1	Aroclor-1254	SOIL	LA-523-427	U	<	50.0	ug/kg	1.00	50	09/17/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	11096-82-5	Aroclor-1260	SOIL	LA-523-427	U	<	50.0	ug/kg	1.00	50	09/17/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	37324-23-5	Aroclor-1262	SOIL	LA-523-427	U	<	50.0	ug/kg	1.00	50	09/17/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	11100-14-4	Aroclor-1268	SOIL	LA-523-427	U		50.0	ug/kg	1.00	50	09/17/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	13981-16-3	Plutonium-238	SOIL	LA-508-471	U		0.0160	pCi/g	1.00	0.047	10/01/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	E.T.C	Pu-238 by AEA Total Cntg. Error	SOIL	LA-508-471		+	0.0288	pCi/g	1.00	0.0	10/01/03	09/10/03	09/10/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The analyte < the RDL but > = the IDL/MDL (inorganic)
J - Estimated Value

E - Analyte is an estimate, has potentially larger errors
U - Analyzed for but not detected above limiting criteria.

DF=Dilution Factor

* - Indicates results that have NOT been validated; + - Indicates more than six qualifier symbols

Report WGPP/ver. 1
Ground Water Protection Program

WSCF ANALYTICAL RESULTS REPORT

2-13

**Attention:
Project:**

Steve Trent
F03-006: 200-PW-2/PW-4

Group #: WSCF20031244

Sample #	Client ID	CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive	
W030000818	B17HY3	GPP TRENT	PU-239/240	Pu-239/240 by AEA	SOIL	LA-508-471	U	8.00e-03	pCi/g	1.00	0.015	10/01/03	09/10/03	09/10/03
W030000818	B17HY3	GPP TRENT	E,T,C	Pu-239/240 AEA Total Cntg Err	SOIL	LA-508-471	+	9.60e-03	pCi/g	1.00	0.0	10/01/03	09/10/03	09/10/03
W030000818	B17HY3	GPP TRENT	100-02-7	4-Nitrophenol	SOIL	LA-523-456	U	< 660	ug/kg	1.00	6.6e+02	09/19/03	09/10/03	09/10/03
W030000818	B17HY3	GPP TRENT	106-46-7	1,4-Dichlorobenzene	SOIL	LA-523-456	U	< 320	ug/kg	1.00	3.2e+02	09/19/03	09/10/03	09/10/03
W030000818	B17HY3	GPP TRENT	108-95-2	Phenol	SOIL	LA-523-456	U	< 100	ug/kg	1.00	1.0e+02	09/19/03	09/10/03	09/10/03
W030000818	B17HY3	GPP TRENT	120-82-1	1,2,4-Trichlorobenzene	SOIL	LA-523-456	U	< 300	ug/kg	1.00	3.0e+02	09/19/03	09/10/03	09/10/03
W030000818	B17HY3	GPP TRENT	121-14-2	2,4-Dinitrotoluene	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	09/19/03	09/10/03	09/10/03
W030000818	B17HY3	GPP TRENT	129-00-0	Pyrene	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	09/19/03	09/10/03	09/10/03
W030000818	B17HY3	GPP TRENT	59-50-7	4-Chloro-3-methylphenol	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	09/19/03	09/10/03	09/10/03
W030000818	B17HY3	GPP TRENT	621-64-7	N-Nitrosodi-n-dipropylamine	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	09/19/03	09/10/03	09/10/03
W030000818	B17HY3	GPP TRENT	83-32-9	Acenaphthene	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	09/19/03	09/10/03	09/10/03
W030000818	B17HY3	GPP TRENT	87-86-5	Pentachlorophenol	SOIL	LA-523-456	U	< 310	ug/kg	1.00	3.1e+02	09/19/03	09/10/03	09/10/03
W030000818	B17HY3	GPP TRENT	95-57-8	2-Chlorophenol	SOIL	LA-523-456	U	< 150	ug/kg	1.00	1.5e+02	09/19/03	09/10/03	09/10/03
W030000818	B17HY3	GPP TRENT	100-01-6	4-Nitroaniline	SOIL	LA-523-456	U	< 250	ug/kg	1.00	2.5e+02	09/19/03	09/10/03	09/10/03
W030000818	B17HY3	GPP TRENT	101-55-3	4-Bromophenylphenyl ether	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	09/19/03	09/10/03	09/10/03
W030000818	B17HY3	GPP TRENT	105-67-9	2,4-Dimethylphenol	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	09/19/03	09/10/03	09/10/03
W030000818	B17HY3	GPP TRENT	106-47-8	4-Chloroaniline	SOIL	LA-523-456	U	< 96.0	ug/kg	1.00	96	09/19/03	09/10/03	09/10/03
W030000818	B17HY3	GPP TRENT	108-60-1	Bis(2-chloro-1-methylethyl)eth	SOIL	LA-523-456	U	< 260	ug/kg	1.00	2.6e+02	09/19/03	09/10/03	09/10/03
W030000818	B17HY3	GPP TRENT	111-44-4	Bis(2-chloroethyl) ether	SOIL	LA-523-456	U	< 250	ug/kg	1.00	2.5e+02	09/19/03	09/10/03	09/10/03
W030000818	B17HY3	GPP TRENT	111-91-1	Bis(2-Chloroethoxy)methane	SOIL	LA-523-456	U	< 120	ug/kg	1.00	1.2e+02	09/19/03	09/10/03	09/10/03
W030000818	B17HY3	GPP TRENT	117-81-7	Bis(2-ethylhexyl) phthalate	SOIL	LA-523-456	U	< 57.0	ug/kg	1.00	5.7e+02	09/19/03	09/10/03	09/10/03
W030000818	B17HY3	GPP TRENT	117-84-0	Di-n-octylphthalate	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	09/19/03	09/10/03	09/10/03
W030000818	B17HY3	GPP TRENT	118-74-1	Hexachlorobenzene	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	09/19/03	09/10/03	09/10/03
W030000818	B17HY3	GPP TRENT	120-12-7	Anthracene	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	09/19/03	09/10/03	09/10/03
W030000818	B17HY3	GPP TRENT	120-83-2	2,4-Dichlorophenol	SOIL	LA-523-456	U	< 82.0	ug/kg	1.00	82	09/19/03	09/10/03	09/10/03
W030000818	B17HY3	GPP TRENT	131-11-3	Dimethyl phthalate	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	09/19/03	09/10/03	09/10/03
W030000818	B17HY3	GPP TRENT	132-64-9	Dibenzofuran	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	09/19/03	09/10/03	09/10/03

MDL=Minimum Detection Limit

RQ=Result Qualifier

B - The analyte < the RDL but > = the IDL/MDL (Inorganic)

J - Estimated Value

E - Analyte is an estimate, has potentially larger errors

U - Analyzed for but not detected above limiting criteria.

DF=Dilution Factor

* - Indicates results that have NOT been validated; + - Indicates more than six qualifier symbols

Report WGPP/ver. 1

Ground Water Protection Program

WSCF ANALYTICAL RESULTS REPORT

2 - 14

Attention: Steve Trent
Project: F03-006: 200-PW-2/PW-4

Group #: WSCF20031244

Sample #	Client ID	CAS #	Test Performed	Matrix	WSCF		Result	Unit	DF	MDL	Analyze	Sample	Receive			
					Method	RQ										
W030000818	B17HY3	GPP	TRENT	191-24-2	Benzo(ghi)perylene	SOIL	LA-523-456	U	<	68.0	ug/kg	1.00	68	09/19/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	193-39-5	Indeno(1,2,3-cd)pyrene	SOIL	LA-523-456	U	<	68.0	ug/kg	1.00	68	09/19/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	205-99-2	Benzo(b)fluoranthene	SOIL	LA-523-456	U	<	68.0	ug/kg	1.00	68	09/19/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	206-44-0	Fluoranthene	SOIL	LA-523-456	U	<	68.0	ug/kg	1.00	68	09/19/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	207-08-9	Benzo(k)fluoranthene	SOIL	LA-523-456	U	<	68.0	ug/kg	1.00	68	09/19/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	208-96-8	Acenaphthylene	SOIL	LA-523-456	U	<	82.0	ug/kg	1.00	82	09/19/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	218-01-9	Chrysenes	SOIL	LA-523-456	U	<	68.0	ug/kg	1.00	68	09/19/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	50-32-8	Benzo(a)pyrene	SOIL	LA-523-456	U	<	68.0	ug/kg	1.00	68	09/19/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	51-28-5	2,4-Dinitrophenol	SOIL	LA-523-456	U	<	680	ug/kg	1.00	6.8e+02	09/19/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	53-70-3	Dibenz(a,h)anthracene	SOIL	LA-523-456	U	<	68.0	ug/kg	1.00	68	09/19/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	534-52-1	4,6-Dinitro-2-methylphenol	SOIL	LA-523-456	U	<	680	ug/kg	1.00	6.8e+02	09/19/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	541-73-1	1,3-Dichlorobenzene	SOIL	LA-523-456	U	<	330	ug/kg	1.00	3.3e+02	09/19/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	56-55-3	Benzo(a)anthracene	SOIL	LA-523-456	U	<	68.0	ug/kg	1.00	68	09/19/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	606-20-2	2,6-Dinitrotoluene	SOIL	LA-523-456	U	<	68.0	ug/kg	1.00	68	09/19/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	7005-72-3	4-Chlorophenylphenyl ether	SOIL	LA-523-456	U	<	68.0	ug/kg	1.00	68	09/19/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	77-47-4	Hexachlorocyclopentadiene	SOIL	LA-523-456	U	<	320	ug/kg	1.00	3.2e+02	09/19/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	78-59-1	Isophorone	SOIL	LA-523-456	U	<	68.0	ug/kg	1.00	68	09/19/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	84-66-2	Diethylphthalate	SOIL	LA-523-456	J		210	ug/kg	1.00	1.9e+02	09/19/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	84-74-2	Di-n-butylphthalate	SOIL	LA-523-456	U	<	89.0	ug/kg	1.00	89	09/19/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	85-01-8	Phenanthrene	SOIL	LA-523-456	U	<	68.0	ug/kg	1.00	68	09/19/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	85-68-7	Butylbenzylphthalate	SOIL	LA-523-456	U	<	68.0	ug/kg	1.00	68	09/19/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	86-30-6	N-Nitrosodiphenylamine	SOIL	LA-523-456	U	<	68.0	ug/kg	1.00	68	09/19/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	86-73-7	Fluorene	SOIL	LA-523-456	U	<	68.0	ug/kg	1.00	68	09/19/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	86-74-8	Carbazole	SOIL	LA-523-456	U	<	82.0	ug/kg	1.00	82	09/19/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	87-68-3	Hexachlorobutadiene	SOIL	LA-523-456	U	<	380	ug/kg	1.00	3.8e+02	09/19/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	88-74-4	2-Nitroaniline	SOIL	LA-523-456	U	<	68.0	ug/kg	1.00	68	09/19/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	88-75-5	2-Nitrophenol	SOIL	LA-523-456	U	<	180	ug/kg	1.00	1.8e+02	09/19/03	09/10/03	09/10/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The analyte < the RDL but > = the IDL/MDL (inorganic)
J - Estimated Value

E - Analyte is an estimate, has potentially larger errors
U - Analyzed for but not detected above limiting criteria.

DF=Dilution Factor

* - Indicates results that have NOT been validated; + - Indicates more than six qualifier symbols

Report WGPP/ver. 1

Ground Water Protection Program

WSCF ANALYTICAL RESULTS REPORT

Attention:
Project:

Steve Trent
F03-006: 200-PW-2/PW-4

Group #: WSCF20031244

Sample #	Client ID	CAS #	Test Performed	Matrix	WSCF		Result	Unit	DF	MDL	Analyze	Sample	Receive			
					Method	RQ										
W030000818	B17HY3	GPP	TRENT	91-20-3	Naphthalene	SOIL	LA-523-456	U	<	290	ug/kg	1.00	2.9e+02	09/19/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	91-57-6	2-Methylnaphthalene	SOIL	LA-523-456	U	<	180	ug/kg	1.00	1.8e+02	09/19/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	91-58-7	2-Chloronaphthalene	SOIL	LA-523-456	U	<	68.0	ug/kg	1.00	68	09/19/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	91-94-1	3,3'-Dichlorobenzidine	SOIL	LA-523-456	U	<	82.0	ug/kg	1.00	82	09/19/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	95-48-7	2-Methylphenol (cresol, o-)	SOIL	LA-523-456	U	<	68.0	ug/kg	1.00	68	09/19/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	95-50-1	1,2-Dichlorobenzene	SOIL	LA-523-456	U	<	370	ug/kg	1.00	3.7e+02	09/19/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	95-95-4	2,4,5-Trichlorophenol	SOIL	LA-523-456	U	<	75.0	ug/kg	1.00	75	09/19/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	98-95-3	Nitrobenzene	SOIL	LA-523-456	U	<	270	ug/kg	1.00	2.7e+02	09/19/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	99-09-2	3-Nitroaniline	SOIL	LA-523-456	U	<	68.0	ug/kg	1.00	68	09/19/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	65794-96-9	3 & 4 Methylphenol Total	SOIL	LA-523-456	U	<	120	ug/kg	1.00	1.2e+02	09/19/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	67-72-1	Hexachloroethane	SOIL	LA-523-456	U	<	480	ug/kg	1.00	4.8e+02	09/19/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	88-06-2	2,4,6-Trichlorophenol	SOIL	LA-523-456	U	<	68.0	ug/kg	1.00	68	09/19/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	100-51-6	Benzyl alcohol	SOIL	LA-523-456	U	<	75.0	ug/kg	1.00	75	09/19/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	111-76-2	2-Butoxyethanol	SOIL	LA-523-456	U	<	100	ug/kg	1.00	1.0e+02	09/19/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	126-73-8	Tributyl phosphate	SOIL	LA-523-456	U	<	68.0	ug/kg	1.00	68	09/19/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	U-233/234	Uranium-233/234	SOIL	LA-508-471			0.0940	pCi/g	1.00	0.018	10/01/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	E,T,C	U-233/234 AEA Total Cntg Error	SOIL	LA-508-471		+-	0.0367	pCi/g	1.00	0.0	10/01/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	15117-96-1	Uranium-235	SOIL	LA-508-471			0.0130	pCi/g	1.00	5.7e-03	10/01/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	E,T,C	U-235 by AEA Total Cntg Error	SOIL	LA-508-471		+-	0.0112	pCi/g	1.00	0.0	10/01/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	U-238	Uranium-238	SOIL	LA-508-471			0.140	pCi/g	1.00	5.2e-03	10/01/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	E,T,C	U-238 by AEA Total Cntg Error	SOIL	LA-508-471		+-	0.0476	pCi/g	1.00	0.10	10/01/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	75-35-4	1,1-Dichloroethene	SOIL	LA-523-456	U	<	2.10	ug/kg	1.00	2.1	09/22/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	78-01-6	Trichloroethene	SOIL	LA-523-456	U	<	2.10	ug/kg	1.00	2.1	09/22/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	71-43-2	Benzene	SOIL	LA-523-456	U	<	2.10	ug/kg	1.00	2.1	09/22/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	108-88-3	Toluene	SOIL	LA-523-456	U	<	2.10	ug/kg	1.00	2.1	09/22/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	108-90-7	Chlorobenzene	SOIL	LA-523-456	U	<	2.10	ug/kg	1.00	2.1	09/22/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	75-34-3	1,1-Dichloroethane	SOIL	LA-523-456	U	<	2.10	ug/kg	1.00	2.1	09/22/03	09/10/03	09/10/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The analyte < the RDL but > = the IDL/MDL (Inorganic)
J - Estimated Value

E - Analyte is an estimate, has potentially larger errors
U - Analyzed for but not detected above limiting criteria.

DF=Dilution Factor

* - Indicates results that have NOT been validated; + - Indicates more than six qualifier symbols

Report WGPP/ver. 1

Ground Water Protection Program

WSCF ANALYTICAL RESULTS REPORT

Attention: Steve Trent
Project: F03-006: 200-PW-2/PW-4

Group #: WSCF20031244

Sample #	Client ID	CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive	
W030000818	B17HY3	GPP	TRENT	100-41-4	Ethylbenzene	SOIL	LA-523-455 U	< 2.10	ug/kg	1.00	2.1	09/22/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	100-42-5	Styrene	SOIL	LA-523-455 U	< 2.10	ug/kg	1.00	2.1	09/22/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	10061-01-5	cis-1,3-Dichloropropene	SOIL	LA-523-455 U	< 2.10	ug/kg	1.00	2.1	09/22/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	10061-02-6	trans-1,3-Dichloropropene	SOIL	LA-523-455 U	< 2.10	ug/kg	1.00	2.1	09/22/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	107-06-2	1,2-Dichloroethane	SOIL	LA-523-455 U	< 2.10	ug/kg	1.00	2.1	09/22/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	108-10-1	4-Methyl-2-Pentanone	SOIL	LA-523-455 U	< 2.10	ug/kg	1.00	2.1	09/22/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	124-48-1	Dibromochloromethane	SOIL	LA-523-455 U	< 2.10	ug/kg	1.00	2.1	09/22/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	127-18-4	Tetrachloroethene	SOIL	LA-523-455 U	< 2.10	ug/kg	1.00	2.1	09/22/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	1330-20-7	Xylenes (total)	SOIL	LA-523-455 U	< 2.10	ug/kg	1.00	2.1	09/22/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	540-59-0	1,2-Dichloroethene(Total)	SOIL	LA-523-455 U	< 2.10	ug/kg	1.00	2.1	09/22/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	56-23-5	Carbon tetrachloride	SOIL	LA-523-455 U	< 2.10	ug/kg	1.00	2.1	09/22/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	591-78-6	2-Hexanone	SOIL	LA-523-455 U	< 2.10	ug/kg	1.00	2.1	09/22/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	67-64-1	Acetone	SOIL	LA-523-455 U	< 2.10	ug/kg	1.00	2.1	09/22/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	67-66-3	Chloroform	SOIL	LA-523-455 U	< 2.10	ug/kg	1.00	2.1	09/22/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	71-55-6	1,1,1-Trichloroethane	SOIL	LA-523-455 U	< 2.10	ug/kg	1.00	2.1	09/22/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	74-83-9	Bromomethane	SOIL	LA-523-455 U	< 2.10	ug/kg	1.00	2.1	09/22/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	74-87-3	Chloromethane	SOIL	LA-523-455 U	< 2.10	ug/kg	1.00	2.1	09/22/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	75-00-3	Chloroethane	SOIL	LA-523-455 U	< 2.10	ug/kg	1.00	2.1	09/22/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	75-01-4	Vinyl chloride	SOIL	LA-523-455 U	< 2.10	ug/kg	1.00	2.1	09/22/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	75-09-2	Methylenechloride	SOIL	LA-523-455 U	< 2.10	ug/kg	1.00	2.1	09/22/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	75-15-0	Carbon disulfide	SOIL	LA-523-455 U	< 2.10	ug/kg	1.00	2.1	09/22/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	75-25-2	Bromoform	SOIL	LA-523-455 U	< 2.10	ug/kg	1.00	2.1	09/22/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	75-27-4	Bromodichloromethane	SOIL	LA-523-455 U	< 2.10	ug/kg	1.00	2.1	09/22/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	78-87-5	1,2-Dichloropropane	SOIL	LA-523-455 U	< 2.10	ug/kg	1.00	2.1	09/22/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	78-93-3	2-Butanone	SOIL	LA-523-455 U	< 2.10	ug/kg	1.00	2.1	09/22/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	79-00-5	1,1,2-Trichloroethane	SOIL	LA-523-455 U	< 2.10	ug/kg	1.00	2.1	09/22/03	09/10/03	09/10/03
W030000818	B17HY3	GPP	TRENT	79-34-5	1,1,2,2-Tetrachloroethane	SOIL	LA-523-455 U	< 2.10	ug/kg	1.00	2.1	09/22/03	09/10/03	09/10/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The analyte < the RDL but > = the IDL/MDL (inorganic)
J - Estimated Value

E - Analyte is an estimate, has potentially larger errors
U - Analyzed for but not detected above limiting criteria.

DF=Dilution Factor

* - Indicates results that have NOT been validated; + - Indicates more than six qualifier symbols

Report WGPP/ver. 1

Ground Water Protection Program

WSCF ANALYTICAL RESULTS REPORT

2-17

Attention: Steve Trent
Project: F03-006: 200-PW-2/PW-4

Group #: WSCF20031244

Sample #	Client ID	CAS #	Test Performed	Matrix	WSCF		Result	Unit	DF	MDL	Analyze	Sample	Receive
					Method	RQ							
W030000818	B17HY3	GPP TRENT 71-36-3	1-Butanol	SOIL	LA-523-455	U	< 41.0	ug/kg	1.00	41	09/22/03	09/10/03	09/10/03
W030000818	B17HY3	GPP TRENT 107-87-9	2-Pentanone	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	09/22/03	09/10/03	09/10/03
W030000818	B17HY3	GPP TRENT 104-51-8	n-Butylbenzene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	09/22/03	09/10/03	09/10/03
W030000818	B17HY3	GPP TRENT TPHDIESEL	Total Pet. Hydrocarbons Diesel	SOIL	NWTPH	U	< 3.90e+03	ug/kg	1.00	3.9e+03	09/22/03	09/10/03	09/10/03
W030000818	B17HY3	GPP TRENT TPHKEROSENE	Kerosene	SOIL	NWTPH	U	< 3.90e+03	ug/kg	1.00	3.9e+03	09/22/03	09/10/03	09/10/03
W030000819	B17HY9	GPP TRENT 57-12-5	Cyanide	SOIL	LA-695-402	U	< 0.200	mg/kg	1.00	0.20	09/25/03	09/10/03	09/10/03
W030000819	B17HY9	GPP TRENT NH4-N	Nitrogen in ammonium	SOIL	LA-503-401	U	< 0.200	mg/kg	50.00	0.20	09/30/03	09/10/03	09/10/03
W030000819	B17HY9	GPP TRENT TS	Total solids	SOIL	LA-519-412		98.0	%	1.00	0.0	09/18/03	09/10/03	09/10/03
W030000819	B17HY9	GPP TRENT PH	pH Measurement	SOIL	LA-212-411		9.34	pH	1.00	0.010	09/30/03	09/10/03	09/10/03
W030000819	B17HY9	GPP TRENT 60-29-7	Diethyl ether	SOIL	Organics	U	< 5.00e+03	ug/kg	1.00	5.0e+03	09/23/03	09/10/03	09/10/03
W030000819	B17HY9	GPP TRENT 67-56-1	Methanol	SOIL	Organics	U	< 1.00e+03	ug/kg	1.00	1.0e+03	09/23/03	09/10/03	09/10/03
W030000819	B17HY9	GPP TRENT 107-21-1	Ethylene glycol	SOIL	Organics	U	< 5.00e+03	ug/kg	1.00	5.0e+03	09/23/03	09/10/03	09/10/03
W030000819	B17HY9	GPP TRENT 14596-10-2	Americium-241	SOIL	LA-508-471		0.0190	pCi/g	1.00	0.012	10/01/03	09/10/03	09/10/03
W030000819	B17HY9	GPP TRENT E,T,C	Am-241 by AEA Total Cntg Error	SOIL	LA-508-471		+ 0.0120	pCi/g	1.00	0.0	10/01/03	09/10/03	09/10/03
W030000819	B17HY9	GPP TRENT 16984-48-8	Fluoride	SOIL	LA-533-410	U	< 0.350	mg/kg	50.00	0.35	09/17/03	09/10/03	09/10/03
W030000819	B17HY9	GPP TRENT 16887-00-6	Chloride	SOIL	LA-533-410	B	1.75	mg/kg	50.00	0.70	09/17/03	09/10/03	09/10/03
W030000819	B17HY9	GPP TRENT NO2-N	Nitrogen in Nitrite	SOIL	LA-533-410	U	< 0.450	mg/kg	50.00	0.45	09/17/03	09/10/03	09/10/03
W030000819	B17HY9	GPP TRENT NO3-N	Nitrogen in Nitrate	SOIL	LA-533-410	B	2.35	mg/kg	50.00	0.25	09/17/03	09/10/03	09/10/03
W030000819	B17HY9	GPP TRENT 14265-44-2	Phosphate	SOIL	LA-533-410	U	< 0.650	mg/kg	50.00	0.65	09/17/03	09/10/03	09/10/03
W030000819	B17HY9	GPP TRENT 14808-79-8	Sulfate	SOIL	LA-533-410	B	6.51	mg/kg	50.00	1.2	09/17/03	09/10/03	09/10/03
W030000819	B17HY9	GPP TRENT 10198-40-0	Cobalt-60	SOIL	LA-508-462	U	-7.48e-04	pCi/g	1.00	0.021	09/25/03	09/10/03	09/10/03
W030000819	B17HY9	GPP TRENT E,T,C	Co-60 Rel. Count Error (GEA)	SOIL	LA-508-462		+ 7.48e-03	pCi/g	1.00	0.0	09/25/03	09/10/03	09/10/03
W030000819	B17HY9	GPP TRENT 14234-35-6	Antimony-125	SOIL	LA-508-462	U	-5.29e-03	pCi/g	1.00	0.037	09/25/03	09/10/03	09/10/03
W030000819	B17HY9	GPP TRENT E,T,C	Sb-125 Rel. Count Error (GEA)	SOIL	LA-508-462		+ 0.0218	pCi/g	1.00	0.0	09/25/03	09/10/03	09/10/03
W030000819	B17HY9	GPP TRENT 13967-70-9	Cesium-134	SOIL	LA-508-462	U	8.39e-03	pCi/g	1.00	0.019	09/25/03	09/10/03	09/10/03
W030000819	B17HY9	GPP TRENT E,T,C	Cs-134 Rel. Count Error (GEA)	SOIL	LA-508-462		+ 0.0112	pCi/g	1.00	0.0	09/25/03	09/10/03	09/10/03
W030000819	B17HY9	GPP TRENT 10045-97-3	Cesium-137	SOIL	LA-508-462	U	-1.00e-03	pCi/g	1.00	0.017	09/25/03	09/10/03	09/10/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The analyte < the RDL but > = the IDL/MDL (Inorganic)
J - Estimated Value

E - Analyte is an estimate, has potentially larger errors
U - Analyzed for but not detected above limiting criteria.

DF=Dilution Factor

* - Indicates results that have NOT been validated; + - Indicates more than six qualifier symbols

Report WGPP/ver. 1

Ground Water Protection Program

WSCF ANALYTICAL RESULTS REPORT

2-18

Attention:
Project:

Steve Trent
F03-006: 200-PW-2/PW-4

Group #: WSCF20031244

Sample #	Client ID	CAS #	Test Performed	Matrix	Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive		
W030000819	B17HY9	GPP	TRENT	E.T.C	Cs-137 Rel. Count Error (GEA)	SOIL	LA-508-462	+- 0.0100	pCi/g	1.00	0.0	09/25/03	09/10/03	09/10/03	
W030000819	B17HY9	GPP	TRENT	14683-23-9	Europium-152	SOIL	LA-508-462	U	-0.0190	pCi/g	1.00	0.037	09/25/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	E.T.C	Eu-152 Rel. Count Error (GEA)	SOIL	LA-508-462	+- 0.0255	pCi/g	1.00	0.0	09/25/03	09/10/03	09/10/03	
W030000819	B17HY9	GPP	TRENT	15585-10-1	Europium-154	SOIL	LA-508-462	U	-7.23e-03	pCi/g	1.00	0.061	09/25/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	E.T.C	Eu-154 Rel. Count Error (GEA)	SOIL	LA-508-462	+- 0.0360	pCi/g	1.00	0.0	09/25/03	09/10/03	09/10/03	
W030000819	B17HY9	GPP	TRENT	14391-16-3	Europium-155	SOIL	LA-508-462	U	0.0222	pCi/g	1.00	0.046	09/25/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	E.T.C	Eu-155 Rel. Count Error (GEA)	SOIL	LA-508-462	+- 0.0262	pCi/g	1.00	0.0	09/25/03	09/10/03	09/10/03	
W030000819	B17HY9	GPP	TRENT	15832-50-5	Tin-126	SOIL	LA-508-462	U	0.0810	pCi/g	1.00	0.090	09/25/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	E.T.C	Sn-126 Rel. Count Error (GEA)	SOIL	LA-508-462	+- 0.0294	pCi/g	1.00	0.0	09/25/03	09/10/03	09/10/03	
W030000819	B17HY9	GPP	TRENT	15262-20-1	Radium-228	SOIL	LA-508-462	U	0.451	pCi/g	1.00	0.062	09/25/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	E.T.C	Ra-228 Rel. Count Error (GEA)	SOIL	LA-508-462	+- 0.109	pCi/g	1.00	0.0	09/25/03	09/10/03	09/10/03	
W030000819	B17HY9	GPP	TRENT	13982-63-3	Radium-226	SOIL	LA-508-462	U	0.290	pCi/g	1.00	0.032	09/25/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	E.T.C	Ra-226 Rel. Count Error (GEA)	SOIL	LA-508-462	+- 0.0644	pCi/g	1.00	0.0	09/25/03	09/10/03	09/10/03	
W030000819	B17HY9	GPP	TRENT	13982-39-3	Zinc-65	SOIL	LA-508-462	U	0.0249	pCi/g	1.00	0.044	09/25/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	E.T.C	Zn-65 Rel. Count Error (GEA)	SOIL	LA-508-462	+- 0.0291	pCi/g	1.00	0.0	09/25/03	09/10/03	09/10/03	
W030000819	B17HY9	GPP	TRENT	14681-63-1	Niobium-94	SOIL	LA-508-462	U	1.07e-03	pCi/g	1.00	0.016	09/25/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	E.T.C	Nb-94 Rel. Count Error (GEA)	SOIL	LA-508-462	+- 0.0107	pCi/g	1.00	0.0	09/25/03	09/10/03	09/10/03	
W030000819	B17HY9	GPP	TRENT	13968-53-1	Ruthenium-103	SOIL	LA-508-462	U	-7.66e-04	pCi/g	1.00	0.015	09/25/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	E.T.C	Ru-103 Rel. Count Error (GEA)	SOIL	LA-508-462	+- 7.66e-03	pCi/g	1.00	0.0	09/25/03	09/10/03	09/10/03	
W030000819	B17HY9	GPP	TRENT	13967-48-1	Ruthenium-106	SOIL	LA-508-462	U	-0.0186	pCi/g	1.00	0.14	09/25/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	E.T.C	Ru-106 Rel. Count Error (GEA)	SOIL	LA-508-462	+- 0.0652	pCi/g	1.00	0.0	09/25/03	09/10/03	09/10/03	
W030000819	B17HY9	GPP	TRENT	13966-06-8	Tin-113	SOIL	LA-508-462	U	5.78e-03	pCi/g	1.00	0.018	09/25/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	E.T.C	Sn-113 Rel. Count Error (GEA)	SOIL	LA-508-462	+- 0.0104	pCi/g	1.00	0.0	09/25/03	09/10/03	09/10/03	
W030000819	B17HY9	GPP	TRENT	14762-78-8	Cerium-144	SOIL	LA-508-462	U	0.0341	pCi/g	1.00	0.084	09/25/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	E.T.C	Ce-144 Rel. Count Error (GEA)	SOIL	LA-508-462	+- 0.0549	pCi/g	1.00	0.0	09/25/03	09/10/03	09/10/03	
W030000819	B17HY9	GPP	TRENT	14913-50-9	Thallium-208	SOIL	LA-508-462	U	0.127	pCi/g	1.00	0.014	09/25/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	E.T.C	Tl-208 Rel. Count Error (GEA)	SOIL	LA-508-462	+- 0.0300	pCi/g	1.00	0.0	09/25/03	09/10/03	09/10/03	

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The analyte < the RDL but > = the IDL/MDL (Inorganic)
J - Estimated Value

E - Analyte is an estimate, has potentially larger errors
U - Analyzed for but not detected above limiting criteria.

DF=Dilution Factor

* - Indicates results that have NOT been validated; + - Indicates more than six qualifier symbols

Report WGPP/ver. 1

Ground Water Protection Program

WSCF ANALYTICAL RESULTS REPORT

2 - 19

Attention: Steve Trent
Project: F03-006: 200-PW-2/PW-4

Group #: WSCF20031244

Sample #	Client ID	CAS #	Test Performed	Matrix	WSCF		Result	Unit	DF	MDL	Analyze Sample Receive			
					Method	RQ								
W030000819	B17HY9	GPP	TRENT	14913-49-6	Bismuth-212	SOIL	LA-508-462	0.222	pCi/g	1.00	0.14	09/25/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	E,T,C	Bi-212 Rel. Count Error (GEA)	SOIL	LA-508-462	+ - 0.113	pCi/g	1.00	0.0	09/25/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	15092-94-1	Lead-212	SOIL	LA-508-462	0.470	pCi/g	1.00	0.022	09/25/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	E,T,C	Pb-212 Rel. Count Error (GEA)	SOIL	LA-508-462	+ - 0.0667	pCi/g	1.00	0.0	09/25/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	14733-03-0	Bismuth-214	SOIL	LA-508-462	0.290	pCi/g	1.00	0.032	09/25/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	E,T,C	Bi-214 Rel. Count Error (GEA)	SOIL	LA-508-462	+ - 0.0644	pCi/g	1.00	0.0	09/25/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	15067-28-4	Lead-214	SOIL	LA-508-462	0.350	pCi/g	1.00	0.029	09/25/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	E,T,C	Pb-214 Rel. Count Error (GEA)	SOIL	LA-508-462	+ - 0.0574	pCi/g	1.00	0.0	09/25/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	14331-83-0	Actinium-228	SOIL	LA-508-462	0.451	pCi/g	1.00	0.062	09/25/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	E,T,C	Ac-228 Rel. Count Error (GEA)	SOIL	LA-508-462	+ - 0.109	pCi/g	1.00	0.0	09/25/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	15065-10-8	Thorium-234	SOIL	LA-508-462	U 0.633	pCi/g	1.00	0.73	09/25/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	E,T,C	Th-234 Rel. Count Error (GEA)	SOIL	LA-508-462	+ - 0.233	pCi/g	1.00	0.0	09/25/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	15117-96-1	Uranium-235	SOIL	LA-508-462	U 0.0619	pCi/g	1.00	0.037	09/25/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	E,T,C	U-235 Rel. Count Error (GEA)	SOIL	LA-508-462	+ - 0.0214	pCi/g	1.00	0.0	09/25/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	14596-10-2	Americium-241	SOIL	LA-508-462	U 0.0282	pCi/g	1.00	0.086	09/25/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	E,T,C	Am-241 Rel. Count Error (GEA)	SOIL	LA-508-462	+ - 0.0522	pCi/g	1.00	0.0	09/25/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	7440-42-8	Boron	SOIL	LA-505-411	U < 5.10	mg/kg	49.95	5.1	09/23/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	7440-69-9	Bismuth	SOIL	LA-505-411	U < 5.00	mg/kg	49.95	5.0	09/23/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	7440-36-0	Antimony	SOIL	LA-505-412	U < 4.90	mg/kg	9.79	4.9	09/22/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	7440-38-2	Arsenic	SOIL	LA-505-412	U < 2.94	mg/kg	9.79	2.9	09/22/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	7440-39-3	Barium	SOIL	LA-505-412	E 15.7	mg/kg	9.79	2.0	09/22/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	7440-41-7	Beryllium	SOIL	LA-505-412	U < 2.94	mg/kg	9.79	2.9	09/22/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	7440-43-9	Cadmium	SOIL	LA-505-412	U < 0.979	mg/kg	9.79	0.98	09/22/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	7440-47-3	Chromium	SOIL	LA-505-412	U < 2.94	mg/kg	9.79	2.9	09/22/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	7440-50-8	Copper	SOIL	LA-505-412	10.1	mg/kg	9.79	4.9	09/22/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	7439-92-1	Lead	SOIL	LA-505-412	U < 11.7	mg/kg	9.79	12	09/22/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	7440-02-0	Nickel	SOIL	LA-505-412	U < 4.90	mg/kg	9.79	4.9	09/22/03	09/10/03	09/10/03

MDL = Minimum Detection Limit
RQ = Result Qualifier

B - The analyte < the RDL but > = the IDL/MDL (inorganic)
J - Estimated Value

E - Analyte is an estimate, has potentially larger errors
U - Analyzed for but not detected above limiting criteria.

DF = Dilution Factor

* - Indicates results that have NOT been validated; + - Indicates more than six qualifier symbols

Report WGPP/ver. 1

Ground Water Protection Program

WSCF ANALYTICAL RESULTS REPORT

2 - 20

Attention: Steve Trent
Project: F03-006: 200-PW-2/PW-4

Group #: WSCF20031244

Sample #	Client ID	CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive	
W030000819	B17HY9	GPP	TRENT	7782-49-2	Selenium	SOIL	LA-505-412 U	< 2.94	mg/kg	9.79	2.0	09/22/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	7440-22-4	Silver	SOIL	LA-505-412 U	< 1.96	mg/kg	9.79	2.0	09/22/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	7440-61-1	Uranium	SOIL	LA-505-412 U	< 0.979	mg/kg	9.79	0.98	09/22/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	7439-97-6	Mercury	SOIL	LA-505-412 U	< 0.979	mg/kg	9.79	0.98	09/22/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	TPHGASOLINE	Total Pet. Hydrocarbons Gas	SOIL	NWTPH U	< 250	ug/kg	1.00	2.5e+02	09/17/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	12674-11-2	Aroclor-1016	SOIL	LA-523-427 U	< 49.0	ug/kg	1.00	49	09/17/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	11104-28-2	Aroclor-1221	SOIL	LA-523-427 U	< 99.0	ug/kg	1.00	99	09/17/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	11141-16-5	Aroclor-1232	SOIL	LA-523-427 U	< 49.0	ug/kg	1.00	49	09/17/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	53469-21-9	Aroclor-1242	SOIL	LA-523-427 U	< 49.0	ug/kg	1.00	49	09/17/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	12672-29-6	Aroclor-1248	SOIL	LA-523-427 U	< 49.0	ug/kg	1.00	49	09/17/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	11097-69-1	Aroclor-1254	SOIL	LA-523-427 U	< 49.0	ug/kg	1.00	49	09/17/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	11096-82-5	Aroclor-1260	SOIL	LA-523-427 U	< 49.0	ug/kg	1.00	49	09/17/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	37324-23-5	Aroclor-1262	SOIL	LA-523-427 U	< 49.0	ug/kg	1.00	49	09/17/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	11100-14-4	Aroclor-1268	SOIL	LA-523-427 U	< 49.0	ug/kg	1.00	49	09/17/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	13981-16-3	Plutonium-238	SOIL	LA-508-471 U	0.0150	pCi/g	1.00	0.048	10/01/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	E,T,C	Pu-238 by AEA Total Cntg Error	SOIL	LA-508-471	+ 0.0285	pCi/g	1.00	0.0	10/01/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	PU-239/240	Pu-239/240 by AEA	SOIL	LA-508-471 U	7.50e-03	pCi/g	1.00	0.014	10/01/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	E,T,C	Pu-239/240 AEA Total Cntg Err	SOIL	LA-508-471	+ 9.00e-03	pCi/g	1.00	0.0	10/01/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	100-02-7	4-Nitrophenol	SOIL	LA-523-456 U	< 660	ug/kg	1.00	6.6e+02	09/19/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	106-46-7	1,4-Dichlorobenzene	SOIL	LA-523-456 U	< 320	ug/kg	1.00	3.2e+02	09/19/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	108-95-2	Phenol	SOIL	LA-523-456 U	< 100	ug/kg	1.00	1.0e+02	09/19/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	120-82-1	1,2,4-Trichlorobenzene	SOIL	LA-523-456 U	< 300	ug/kg	1.00	3.0e+02	09/19/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	121-14-2	2,4-Dinitrotoluene	SOIL	LA-523-456 U	< 68.0	ug/kg	1.00	68	09/19/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	129-00-0	Pyrene	SOIL	LA-523-456 U	< 68.0	ug/kg	1.00	68	09/19/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	59-50-7	4-Chloro-3-methylphenol	SOIL	LA-523-456 U	< 68.0	ug/kg	1.00	68	09/19/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	621-64-7	N-Nitrosodi-n-dipropylamine	SOIL	LA-523-456 U	< 68.0	ug/kg	1.00	68	09/19/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	83-32-9	Acenaphthene	SOIL	LA-523-456 U	< 68.0	ug/kg	1.00	68	09/19/03	09/10/03	09/10/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The analyte < the RDL but > = the IDL/MDL (inorganic)
J - Estimated Value

E - Analyte is an estimate, has potentially larger errors
U - Analyzed for but not detected above limiting criteria.

DF=Dilution Factor

* - Indicates results that have NOT been validated; + - Indicates more than six qualifier symbols

Report WGPP/ver. 1

Ground Water Protection Program

WSCF ANALYTICAL RESULTS REPORT

Attention:
Project:

Steve Trent
F03-006: 200-PW-2/PW-4

Group #: WSCF20031244

Sample #	Client ID	CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive	
W030000819	B17HY9	GPP	TRENT	87-86-5	Pentaachlorophenol	SOIL	LA-523-456 U	< 310	ug/kg	1.00	3.1e+02	09/19/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	95-57-8	2-Chlorophenol	SOIL	LA-523-456 U	< 150	ug/kg	1.00	1.5e+02	09/19/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	100-01-6	4-Nitroaniline	SOIL	LA-523-456 U	< 250	ug/kg	1.00	2.5e+02	09/19/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	101-55-3	4-Bromophenylphenyl ether	SOIL	LA-523-456 U	< 68.0	ug/kg	1.00	68	09/19/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	105-67-9	2,4-Dimethylphenol	SOIL	LA-523-456 U	< 68.0	ug/kg	1.00	68	09/19/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	106-47-8	4-Chloroaniline	SOIL	LA-523-456 U	< 95.0	ug/kg	1.00	95	09/19/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	108-60-1	Bis(2-chloro-1-methylethyl)eth	SOIL	LA-523-456 U	< 260	ug/kg	1.00	2.6e+02	09/19/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	111-44-4	Bis(2-chloroethyl) ether	SOIL	LA-523-456 U	< 250	ug/kg	1.00	2.5e+02	09/19/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	111-91-1	Bis(2-Chloroethoxy)methane	SOIL	LA-523-456 U	< 120	ug/kg	1.00	1.2e+02	09/19/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	117-81-7	Bis(2-ethylhexyl) phthalate	SOIL	LA-523-456 U	< 570	ug/kg	1.00	5.7e+02	09/19/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	117-84-0	Di-n-octylphthalate	SOIL	LA-523-456 U	< 68.0	ug/kg	1.00	68	09/19/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	118-74-1	Hexachlorobenzene	SOIL	LA-523-456 U	< 68.0	ug/kg	1.00	68	09/19/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	120-12-7	Anthracene	SOIL	LA-523-456 U	< 68.0	ug/kg	1.00	68	09/19/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	120-83-2	2,4-Dichlorophenol	SOIL	LA-523-456 U	< 82.0	ug/kg	1.00	82	09/19/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	131-11-3	Dimethyl phthalate	SOIL	LA-523-456 U	< 68.0	ug/kg	1.00	68	09/19/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	132-64-9	Dibenzofuran	SOIL	LA-523-456 U	< 68.0	ug/kg	1.00	68	09/19/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	191-24-2	Benzo(g,h,i)perylene	SOIL	LA-523-456 U	< 68.0	ug/kg	1.00	68	09/19/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	193-39-5	Indeno(1,2,3-cd)pyrene	SOIL	LA-523-456 U	< 68.0	ug/kg	1.00	68	09/19/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	205-99-2	Benzo(b)fluoranthene	SOIL	LA-523-456 U	< 68.0	ug/kg	1.00	68	09/19/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	206-44-0	Fluoranthene	SOIL	LA-523-456 U	< 68.0	ug/kg	1.00	68	09/19/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	207-08-9	Benzo(k)fluoranthene	SOIL	LA-523-456 U	< 68.0	ug/kg	1.00	68	09/19/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	208-96-8	Acenaphthylene	SOIL	LA-523-456 U	< 82.0	ug/kg	1.00	82	09/19/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	218-01-9	Chrysene	SOIL	LA-523-456 U	< 68.0	ug/kg	1.00	68	09/19/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	50-32-8	Benzo(a)pyrene	SOIL	LA-523-456 U	< 68.0	ug/kg	1.00	68	09/19/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	51-28-5	2,4-Dinitrophenol	SOIL	LA-523-456 U	< 680	ug/kg	1.00	6.8e+02	09/19/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	53-70-3	Dibenz[a,h]anthracene	SOIL	LA-523-456 U	< 68.0	ug/kg	1.00	68	09/19/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	534-52-1	4,6-Dinitro-2-methylphenol	SOIL	LA-523-456 U	< 680	ug/kg	1.00	6.8e+02	09/19/03	09/10/03	09/10/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The analyte < the RDL but > = the IDL/MDL (inorganic)
J - Estimated Value

E - Analyte is an estimate, has potentially larger errors
U - Analyzed for but not detected above limiting criteria.

DF=Dilution Factor

* - Indicates results that have NOT been validated; + - Indicates more than six qualifier symbols

Report WGPP/ver. 1

Ground Water Protection Program

WSCF ANALYTICAL RESULTS REPORT

Attention:
Project:

Steve Trent
F03-006: 200-PW-2/PW-4

Group #: WSCF20031244

Sample #	Client ID	CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000819	B17HY9 GPP TRENT	541-73-1	1,3-Dichlorobenzene	SOIL	LA-523-456	U	< 330	ug/kg	1.00	3.3e+02	09/19/03	09/10/03	09/10/03
W030000819	B17HY9 GPP TRENT	56-55-3	Benzo(a)anthracene	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	09/19/03	09/10/03	09/10/03
W030000819	B17HY9 GPP TRENT	606-20-2	2,6-Dinitrotoluene	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	09/19/03	09/10/03	09/10/03
W030000819	B17HY9 GPP TRENT	7005-72-3	4-Chlorophenylphenyl ether	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	09/19/03	09/10/03	09/10/03
W030000819	B17HY9 GPP TRENT	77-47-4	Hexachlorocyclopentadiene	SOIL	LA-523-456	U	< 320	ug/kg	1.00	3.2e+02	09/19/03	09/10/03	09/10/03
W030000819	B17HY9 GPP TRENT	78-59-1	Isophorone	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	09/19/03	09/10/03	09/10/03
W030000819	B17HY9 GPP TRENT	84-66-2	Diethylphthalate	SOIL	LA-523-456	U	< 190	ug/kg	1.00	1.9e+02	09/19/03	09/10/03	09/10/03
W030000819	B17HY9 GPP TRENT	84-74-2	Di-n-butylphthalate	SOIL	LA-523-456	U	< 89.0	ug/kg	1.00	89	09/19/03	09/10/03	09/10/03
W030000819	B17HY9 GPP TRENT	85-01-8	Phenanthrene	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	09/19/03	09/10/03	09/10/03
W030000819	B17HY9 GPP TRENT	85-68-7	Butylbenzylphthalate	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	09/19/03	09/10/03	09/10/03
W030000819	B17HY9 GPP TRENT	86-30-6	N-Nitrosodiphenylamine	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	09/19/03	09/10/03	09/10/03
W030000819	B17HY9 GPP TRENT	86-73-7	Fluorene	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	09/19/03	09/10/03	09/10/03
W030000819	B17HY9 GPP TRENT	86-74-8	Carbazole	SOIL	LA-523-456	U	< 82.0	ug/kg	1.00	82	09/19/03	09/10/03	09/10/03
W030000819	B17HY9 GPP TRENT	87-68-3	Hexachlorobutadiene	SOIL	LA-523-456	U	< 370	ug/kg	1.00	3.7e+02	09/19/03	09/10/03	09/10/03
W030000819	B17HY9 GPP TRENT	88-74-4	2-Nitroaniline	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	09/19/03	09/10/03	09/10/03
W030000819	B17HY9 GPP TRENT	88-75-5	2-Nitrophenol	SOIL	LA-523-456	U	< 180	ug/kg	1.00	1.8e+02	09/19/03	09/10/03	09/10/03
W030000819	B17HY9 GPP TRENT	91-20-3	Naphthalene	SOIL	LA-523-456	U	< 290	ug/kg	1.00	2.9e+02	09/19/03	09/10/03	09/10/03
W030000819	B17HY9 GPP TRENT	91-57-6	2-Methylnaphthalene	SOIL	LA-523-456	U	< 180	ug/kg	1.00	1.8e+02	09/19/03	09/10/03	09/10/03
W030000819	B17HY9 GPP TRENT	91-58-7	2-Chloronaphthalene	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	09/19/03	09/10/03	09/10/03
W030000819	B17HY9 GPP TRENT	91-94-1	3,3'-Dichlorobenzidine	SOIL	LA-523-456	U	< 82.0	ug/kg	1.00	82	09/19/03	09/10/03	09/10/03
W030000819	B17HY9 GPP TRENT	95-48-7	2-Methylphenol (cresol, o-)	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	09/19/03	09/10/03	09/10/03
W030000819	B17HY9 GPP TRENT	95-50-1	1,2-Dichlorobenzene	SOIL	LA-523-456	U	< 370	ug/kg	1.00	3.7e+02	09/19/03	09/10/03	09/10/03
W030000819	B17HY9 GPP TRENT	95-95-4	2,4,5-Trichlorophenol	SOIL	LA-523-456	U	< 75.0	ug/kg	1.00	75	09/19/03	09/10/03	09/10/03
W030000819	B17HY9 GPP TRENT	98-95-3	Nitrobenzene	SOIL	LA-523-456	U	< 270	ug/kg	1.00	2.7e+02	09/19/03	09/10/03	09/10/03
W030000819	B17HY9 GPP TRENT	99-09-2	3-Nitroaniline	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	09/19/03	09/10/03	09/10/03
W030000819	B17HY9 GPP TRENT	65794-96-9	3 & 4 Methylphenol Total	SOIL	LA-523-456	U	< 120	ug/kg	1.00	1.2e+02	09/19/03	09/10/03	09/10/03
W030000819	B17HY9 GPP TRENT	67-72-1	Hexachloroethane	SOIL	LA-523-456	U	< 480	ug/kg	1.00	4.8e+02	09/19/03	09/10/03	09/10/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The analyte < the RDL but > = the IDL/MDL (inorganic)
J - Estimated Value

E - Analyte is an estimate, has potentially larger errors
U - Analyzed for but not detected above limiting criteria.

DF=Dilution Factor

* - Indicates results that have NOT been validated; + - Indicates more than six qualifier symbols

Report WGPP/ver. 1

Ground Water Protection Program

WSCF ANALYTICAL RESULTS REPORT

2 - 23

Attention: Steve Trent
Project: F03-006: 200-PW-2/PW-4

Group #: WSCF20031244

Sample #	Client ID	CAS #	Test Performed	Matrix	WSCF		Result	Unit	DF	MDL	Analyze Sample Receive				
					Method	RQ									
W030000819	B17HY9	GPP	TRENT	88-06-2	2,4,6-Trichlorophenol	SOIL	LA-523-456 U	<	68.0	ug/kg	1.00	68	09/19/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	100-51-6	Benzyl alcohol	SOIL	LA-523-456 U	<	75.0	ug/kg	1.00	75	09/19/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	111-76-2	2-Butoxyethanol	SOIL	LA-523-456 U	<	100	ug/kg	1.00	1.0e+02	09/19/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	126-73-8	Tributyl phosphate	SOIL	LA-523-456 U	<	68.0	ug/kg	1.00	68	09/19/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	U-233/234	Uranium-233/234	SOIL	LA-508-471		0.130	pCi/g	1.00	0.014	10/01/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	E,T,C	U-233/234 AEA Total Cntg Error	SOIL	LA-508-471	+-	0.0455	pCi/g	1.00	0.0	10/01/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	15117-96-1	Uranium-235	SOIL	LA-508-471		8.30e-03	pCi/g	1.00	5.6e-03	10/01/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	E,T,C	U-235 by AEA Total Cntg Error	SOIL	LA-508-471	+-	8.30e-03	pCi/g	1.00	0.0	10/01/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	U-238	Uranium-238	SOIL	LA-508-471		0.100	pCi/g	1.00	5.2e-03	10/01/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	E,T,C	U-238 by AEA Total Cntg Error	SOIL	LA-508-471	+-	0.0370	pCi/g	1.00	0.10	10/01/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	75-35-4	1,1-Dichloroethene	SOIL	LA-523-455 U	<	2.00	ug/kg	1.00	2.0	09/22/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	79-01-6	Trichloroethene	SOIL	LA-523-455 U	<	2.00	ug/kg	1.00	2.0	09/22/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	71-43-2	Benzene	SOIL	LA-523-455 U	<	2.00	ug/kg	1.00	2.0	09/22/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	108-88-3	Toluene	SOIL	LA-523-455 U	<	2.00	ug/kg	1.00	2.0	09/22/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	108-90-7	Chlorobenzene	SOIL	LA-523-455 U	<	2.00	ug/kg	1.00	2.0	09/22/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	75-34-3	1,1-Dichloroethane	SOIL	LA-523-455 U	<	2.00	ug/kg	1.00	2.0	09/22/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	100-41-4	Ethylbenzene	SOIL	LA-523-455 U	<	2.00	ug/kg	1.00	2.0	09/22/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	100-42-5	Styrene	SOIL	LA-523-455 U	<	2.00	ug/kg	1.00	2.0	09/22/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	10061-01-5	cis-1,3-Dichloropropene	SOIL	LA-523-455 U	<	2.00	ug/kg	1.00	2.0	09/22/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	10061-02-6	trans-1,3-Dichloropropene	SOIL	LA-523-455 U	<	2.00	ug/kg	1.00	2.0	09/22/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	107-06-2	1,2-Dichloroethane	SOIL	LA-523-455 U	<	2.00	ug/kg	1.00	2.0	09/22/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	108-10-1	4-Methyl-2-Pentanone	SOIL	LA-523-455 U	<	2.00	ug/kg	1.00	2.0	09/22/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	124-48-1	Dibromochloromethane	SOIL	LA-523-455 U	<	2.00	ug/kg	1.00	2.0	09/22/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	127-18-4	Tetrachloroethene	SOIL	LA-523-455 U	<	2.00	ug/kg	1.00	2.0	09/22/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	1330-20-7	Xylenes (total)	SOIL	LA-523-455 U	<	2.00	ug/kg	1.00	2.0	09/22/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	540-59-0	1,2-Dichloroethene(Total)	SOIL	LA-523-455 U	<	2.00	ug/kg	1.00	2.0	09/22/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	56-23-5	Carbon tetrachloride	SOIL	LA-523-455 U	<	2.00	ug/kg	1.00	2.0	09/22/03	09/10/03	09/10/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The analyte < the RDL but > = the IDL/MDL (Inorganic)
J - Estimated Value

E - Analyte is an estimate, has potentially larger errors
U - Analyzed for but not detected above limiting criteria.

DF=Dilution Factor

* - Indicates results that have NOT been validated; + - Indicates more than six qualifier symbols

Report WGPP/ver. 1

Ground Water Protection Program

WSCF ANALYTICAL RESULTS REPORT

2 - 24

Attention: Steve Trent
Project: F03-006: 200-PW-2/PW-4

Group #: WSCF20031244

Sample #	Client ID	CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive	
W030000819	B17HY9	GPP	TRENT	591-78-6	2-Hexanone	SOIL	LA-523-455 U	< 2.00	ug/kg	1.00	2.0	09/22/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	67-64-1	Acetone	SOIL	LA-523-455 U	< 2.00	ug/kg	1.00	2.0	09/22/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	67-66-3	Chloroform	SOIL	LA-523-455 U	< 2.00	ug/kg	1.00	2.0	09/22/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	71-55-6	1,1,1-Trichloroethane	SOIL	LA-523-455 U	< 2.00	ug/kg	1.00	2.0	09/22/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	74-83-9	Bromomethane	SOIL	LA-523-455 U	< 2.00	ug/kg	1.00	2.0	09/22/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	74-87-3	Chloromethane	SOIL	LA-523-455 U	< 2.00	ug/kg	1.00	2.0	09/22/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	75-00-3	Chloroethane	SOIL	LA-523-455 U	< 2.00	ug/kg	1.00	2.0	09/22/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	75-01-4	Vinyl chloride	SOIL	LA-523-455 U	< 2.00	ug/kg	1.00	2.0	09/22/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	75-09-2	Methylenechloride	SOIL	LA-523-455 U	< 2.00	ug/kg	1.00	2.0	09/22/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	75-15-0	Carbon disulfide	SOIL	LA-523-455 U	< 2.00	ug/kg	1.00	2.0	09/22/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	75-25-2	Bromoform	SOIL	LA-523-455 U	< 2.00	ug/kg	1.00	2.0	09/22/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	75-27-4	Bromodichloromethane	SOIL	LA-523-455 U	< 2.00	ug/kg	1.00	2.0	09/22/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	78-87-5	1,2-Dichloropropane	SOIL	LA-523-455 U	< 2.00	ug/kg	1.00	2.0	09/22/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	78-93-3	2-Butanone	SOIL	LA-523-455 U	< 2.00	ug/kg	1.00	2.0	09/22/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	79-00-5	1,1,2-Trichloroethane	SOIL	LA-523-455 U	< 2.00	ug/kg	1.00	2.0	09/22/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	79-34-5	1,1,2,2-Tetrachloroethane	SOIL	LA-523-455 U	< 2.00	ug/kg	1.00	2.0	09/22/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	71-36-3	1-Butanol	SOIL	LA-523-455 U	< 41.0	ug/kg	1.00	41	09/22/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	107-87-9	2-Pentanone	SOIL	LA-523-455 U	< 2.00	ug/kg	1.00	2.0	09/22/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	104-51-8	n-Butylbenzene	SOIL	LA-523-455 U	< 2.00	ug/kg	1.00	2.0	09/22/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	TPHDIESEL	Total Pet. Hydrocarbons Diesel	SOIL	NWTPH U	< 3.80e+03	ug/kg	1.00	3.8e+03	09/22/03	09/10/03	09/10/03
W030000819	B17HY9	GPP	TRENT	TPHKEROSENE	Kerosene	SOIL	NWTPH U	< 3.80e+03	ug/kg	1.00	3.8e+03	09/22/03	09/10/03	09/10/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The analyte < the RDL but > = the IDL/MDL (Inorganic)
J - Estimated Value

E - Analyte is an estimate, has potentially larger errors
U - Analyzed for but not detected above limiting criteria.

DF=Dilution Factor

* - Indicates results that have NOT been validated; + - Indicates more than six qualifier symbols

Report WGPP/ver. 1

Ground Water Protection Program

WSCF ANALYTICAL COMMENT REPORT

2 - 25

Attention: Steve Trent
Project Number F03-006

Group #: WSCF20031244

Sample #	Client ID	Lab Area	Test	Comment
		VALGROUP		<p>PCB/TPHD/SVOC: All results are moisture corrected and reported on a dry weight basis. cge</p> <p>8015GPP: Diethyl Ether MS/MSD % recovery low at 74/70 % rec But was ok in the LCS. All other QC good. gar</p> <p>ICP-MS: Low silver ICV recovery but no flags issued because LCS and CCV recoveries were within specifications.</p> <p>Estimated barium results due to a negative preparation blank result (-2.7 ug/L (ppb)).</p> <p>ICP-AES: Bismuth LCS results are acceptable for this particular LCS soil matrix -wwb</p> <p>IC: Chloride, Nitrate-N, and Sulfate detected below lowest value on calibration curve but above minimum detection limit; RPD criteria at these low level do not apply -wwb</p> <p>The Pu duplicate was flagged for RPD but the sample is below detection.-lmh</p>

Lab Areas: VALGROUP - Group Validation
LOGSAMP - Login for Sample

VALTEST - Test Validation
LOGTEST - Login for Tests

TESTDATA - Test Data Entry

This report may not be reproduced, except in its entirety without the written approval of the WSCF Laboratory.

WSCF

TENTATIVELY IDENTIFIED PEAK REPORT

2 - 26

Attention: Steve Trent
 Project Number F03-006 :200-PW-2/PW-4

Group #: WSCF20031244

Sample #	Client ID		Test Name	Peak Name	CAS#	RT	RQ	Result	Units
W030000817	B17HR8	GPP	TRENT	Gamma Energy Analysis-grd H2O	K-40			12	pCi/g
W030000817	B17HR8	GPP	TRENT	Gamma Energy Analysis-grd H2O	K-40 Count Error			9.1	%
W030000818	B17HY3	GPP	TRENT	Gamma Energy Analysis-grd H2O	K-40			13	pCi/g
W030000818	B17HY3	GPP	TRENT	Gamma Energy Analysis-grd H2O	K-40 Count Error			9.1	%
W030000819	B17HY9	GPP	TRENT	Gamma Energy Analysis-grd H2O	K-40			12	pCi/g
W030000819	B17HY9	GPP	TRENT	Gamma Energy Analysis-grd H2O	K-40 Count Error			14	%

RQ=Result Qualifier

This report may not be reproduced, except in its entirety without the written approval of the WSCF Laboratory.

Ground Water Protection Program

WGPE v 0 Report#: 20031244

Report Date: 8-oct-2003

Page 1

WSCF

METHOD REFERENCES REPORT

2 - 27

The results provided in this report were generated using the following WSCF Laboratory procedures. For your convenience, this table provides a listing of the regulatory or industry methods that are referenced by each of these WSCF procedures. Please note that the most recent version of the regulatory or industry method is listed here even though the WSCF procedure may reference an older version of the method. Also, a reference to a regulatory or industry method here does not necessarily indicate a verbatim implementation of that method.

LA-212-411	Determination of Soil pH Measurement EPA SW-846 9045C	SOIL AND WASTE pH
LA-503-401	LA-503-401: ANALYSIS OF CATIONS BY ION CHROMATOGRAPHY EPA-600/4-86-024 300.7	Dissolved Sodium, Ammonium, Potassium, and Calcium in Wet Deposition by Chemical
LA-505-411	LA-505-411: ELEMENTAL ANALYSIS BY INDUCTIVELY COUPLED PLASMA ATOMIC EMISSION SPE EPA SW-846 6010B	INDUCTIVELY COUPLED PLASMA-ATOMIC EMISSION SPECTROMETRY
LA-505-412	LA-505-412: DETERMINATION OF TRACE ELEMENTS IN WATERS AND WASTES BY INDUCTIVELY EPA-600/R-94-111 200.8	DETERMINATION OF TRACE ELEMENTS IN WATERS AND WASTES BY INDUCTIVELY COUPLED PLAS
LA-508-462	Gamma Energy Analysis -- the Genie System -- WSCF None	No reference to any industry method.
LA-508-471	LA-508-471: ALPHA ENERGY ANALYZER DATA ACQUISITION AND SYSTEM CHECKOUT USING ALP None	No reference to any industry method.
LA-519-412	LA-519-412: TOTAL RESIDUE/% SOLIDS DRIED AT 103 - 105 C EPA-600/4-79-020 160.3 Standard Methods 2540B	RESIDUE, TOTAL Total Solids Dried at 103-105 C
LA-523-427	LA-523-427: POLYCHLORINATED BIPHENYLS (PCBs) BY GAS CHROMATOGRAPHY EPA SW-846 3510C EPA SW-846 3545	SEPARATORY FUNNEL LIQUID-LIQUID EXTRACTION PRESSURIZED FLUID EXTRACTION (PFE)

Note: A complete list of WSCF analytical procedures and referenced regulatory or industry methods is available online at <http://apweb02/asponlinedocs/wscf/sample%20mgmt/ProcedureMethodCrossReference.pdf>. This document includes on-line links to full-text versions of the procedures and methods, where available.

Report Date: 8-oct-2003
Report#: WSCF20031244
Report WGPPM/O

WSCF

METHOD REFERENCES REPORT

The results provided in this report were generated using the following WSCF Laboratory procedures. For your convenience, this table provides a listing of the regulatory or industry methods that are referenced by each of these WSCF procedures. Please note that the most recent version of the regulatory or industry method is listed here even though the WSCF procedure may reference an older version of the method. Also, a reference to a regulatory or industry method here does not necessarily indicate a verbatim implementation of that method.

	EPA SW-846 3665A	SULFURIC ACID/PERMANGANATE CLEANUP
	EPA SW-846 8000B	DETERMINATIVE CHROMATOGRAPHIC SEPARATIONS
	EPA SW-846 8082	POLYCHLORINATED BIPHENYLS (PCBs) BY GAS CHROMATOGRAPHY
LA-523-455	LA-523-455: VOLATILE SAMPLE ANALYSIS BY SW-846	
	EPA SW-846 8000B	DETERMINATIVE CHROMATOGRAPHIC SEPARATIONS
	EPA SW-846 8260B	VOLATILE ORGANIC COMPOUNDS BY GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)
LA-523-456	LA-523-456: SEMIVOLATILE SAMPLE ANALYSIS BY SW-846, METHOD 8270C	
	EPA SW-846 8000B	DETERMINATIVE CHROMATOGRAPHIC SEPARATIONS
	EPA SW-846 8270C	SEMIVOLATILE ORGANIC COMPOUNDS BY GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)
LA-533-410	LA-533-410: ANION ANALYSIS BY ION CHROMATOGRAPHY	
	EPA-600/R-94-111 300	DETERMINATION OF INORGANIC ANIONS BY ION CHROMATOGRAPHY
LA-695-402	LA-695-402: DETERMINATION OF CYANIDE BY MIDIDISTILLATION AND SPECTROPHOTOMETRIC	
	EPA-600/4-79-020 335.2	Cyanide, Total
NWTPH	NWTPH-Diesel and/or Gasoline	
	WDOE NWTPH-Dx/Gx	Total Petroleum Hydrocarbons - Diesel/Gasoline
Organics	Organics - Alcohols, Glycols	
	EPA SW-846 8015B	Nonhalogenated Organics Using GC/FID

Note: A complete list of WSCF analytical procedures and referenced regulatory or industry methods is available online at <http://apweb02/asponlinedocs/wscf/sample%20mgmt/ProcedureMethodCrossReference.pdf>. This document includes on-line links to full-text versions of the procedures and methods, where available.

W13q Worklist/Batch/QC Report for Group# WSCF20031244

WL#	S#	Batch	QC#	Tray	Type	Sample#	Test
					SAMPLE	W030000817	Percent Solids
					SAMPLE	W030000818	Percent Solids
					SAMPLE	W030000819	Percent Solids
					SAMPLE	W030000817	pH Soil and Waste Measurement
					SAMPLE	W030000818	pH Soil and Waste Measurement
					SAMPLE	W030000819	pH Soil and Waste Measurement
			23612		BLANK		PCBs complete list
			23612		LCS		PCBs complete list
			23612		SAMPLE	W030000817	PCBs complete list
			23612		SURR	W030000817	PCBs complete list
			23612		SAMPLE	W030000818	PCBs complete list
			23612		SURR	W030000818	PCBs complete list
			23612		MS	W030000819	PCBs complete list
			23612		MSD	W030000819	PCBs complete list
			23612		SAMPLE	W030000819	PCBs complete list
			23612		SPK-RPD	W030000819	PCBs complete list
			23612		SURR	W030000819	PCBs complete list
20413	1	20794	23615		BLANK		ICP-2008 MS All possible metal
20413	17	20794	23615		BLANK		ICP-2008 MS All possible metal
20413	2	20794	23615		LCS		ICP-2008 MS All possible metal
20413	16	20794	23615		LCS		ICP-2008 MS All possible metal
20413	7	20794	23615		MS	W030000789	ICP-2008 MS All possible metal
20413	8	20794	23615		MSD	W030000789	ICP-2008 MS All possible metal
20413	19	20794	23615		MS	W030000807	ICP-2008 MS All possible metal
20413	20	20794	23615		MSD	W030000807	ICP-2008 MS All possible metal
20413	22	20794	23615		SAMPLE	W030000817	ICP-2008 MS All possible metal
20413	23	20794	23615		SAMPLE	W030000818	ICP-2008 MS All possible metal
20413	24	20794	23615		SAMPLE	W030000819	ICP-2008 MS All possible metal
20413	4	20794	23615		MS	W03D000046	ICP-2008 MS All possible metal
20413	5	20794	23615		MSD	W03D000046	ICP-2008 MS All possible metal
			23619		BLANK		SW-846 8270B Semi-Vols
			23619		LCS		SW-846 8270B Semi-Vols
			23619		SAMPLE	W030000817	SW-846 8270B Semi-Vols
			23619		SAMPLE	W030000818	SW-846 8270B Semi-Vols
			23619		SAMPLE	W030000819	SW-846 8270B Semi-Vols
			23645		BLANK		WTPH-D TPH Diesel Range (Wa)
			23645		LCS		WTPH-D TPH Diesel Range (Wa)
			23645		SAMPLE	W030000817	WTPH-D TPH Diesel Range (Wa)
			23645		SURR	W030000817	WTPH-D TPH Diesel Range (Wa)
			23645		MS	W030000818	WTPH-D TPH Diesel Range (Wa)
			23645		MSD	W030000818	WTPH-D TPH Diesel Range (Wa)
			23645		SAMPLE	W030000818	WTPH-D TPH Diesel Range (Wa)
			23645		SPK-RPD	W030000818	WTPH-D TPH Diesel Range (Wa)
			23645		SURR	W030000818	WTPH-D TPH Diesel Range (Wa)
			23645		SAMPLE	W030000819	WTPH-D TPH Diesel Range (Wa)
			23645		SURR	W030000819	WTPH-D TPH Diesel Range (Wa)
20431	3	20813	23653		SAMPLE	W030000817	ICP Metals Analysis, Grd H20 P
20431	4	20813	23653		SAMPLE	W030000818	ICP Metals Analysis, Grd H20 P
20431	6	20813	23653		MS	W030000819	ICP Metals Analysis, Grd H20 P

20431	7	20813	23653	MSD	W030000819	ICP Metals Analysis, Grd H2O P
20431	5	20813	23653	SAMPLE	W030000819	ICP Metals Analysis, Grd H2O P
20431	0	20813	23653	SPK-RPD	W030000819	ICP Metals Analysis, Grd H2O P
			23673	BLANK		Cyanide by Midi/Spectrophotom
			23673	BLNK-PREP		Cyanide by Midi/Spectrophotom
			23673	DUP		Cyanide by Midi/Spectrophotom
			23673	LCS		Cyanide by Midi/Spectrophotom
			23673	LCS-2		Cyanide by Midi/Spectrophotom
			23673	MS	W030000817	Cyanide by Midi/Spectrophotom
			23673	MSD	W030000817	Cyanide by Midi/Spectrophotom
			23673	SAMPLE	W030000817	Cyanide by Midi/Spectrophotom
			23673	SPK-RPD	W030000817	Cyanide by Midi/Spectrophotom
			23673	SAMPLE	W030000818	Cyanide by Midi/Spectrophotom
			23673	SAMPLE	W030000819	Cyanide by Midi/Spectrophotom
20471	2	20853	23725	BLANK		Anions by Ion Chromatography
20471	10	20853	23725	BLANK		Anions by Ion Chromatography
20471	3	20853	23725	LCS		Anions by Ion Chromatography
20471	5	20853	23725	DUP	W030000817	Anions by Ion Chromatography
20471	6	20853	23725	MS	W030000817	Anions by Ion Chromatography
20471	7	20853	23725	MSD	W030000817	Anions by Ion Chromatography
20471	4	20853	23725	SAMPLE	W030000817	Anions by Ion Chromatography
20471	8	20853	23725	SAMPLE	W030000818	Anions by Ion Chromatography
20471	9	20853	23725	SAMPLE	W030000819	Anions by Ion Chromatography
20321	1	20701	23728	BLANK		Gamma Energy Analysis-grd H2O
20321	2	20701	23728	LCS		Gamma Energy Analysis-grd H2O
20321	3	20701	23728	DUP	W030000817	Gamma Energy Analysis-grd H2O
20321	4	20701	23728	SAMPLE	W030000817	Gamma Energy Analysis-grd H2O
20321	5	20701	23728	SAMPLE	W030000818	Gamma Energy Analysis-grd H2O
20321	6	20701	23728	SAMPLE	W030000819	Gamma Energy Analysis-grd H2O
20497	3	20880	23744	BLNK-PREP		Ammonia (N) by IC
20497	10	20880	23744	BLNK-PREP		Ammonia (N) by IC
20497	1	20880	23744	LCS		Ammonia (N) by IC
20497	5	20880	23744	DUP	W030000817	Ammonia (N) by IC
20497	6	20880	23744	MS	W030000817	Ammonia (N) by IC
20497	7	20880	23744	MSD	W030000817	Ammonia (N) by IC
20497	4	20880	23744	SAMPLE	W030000817	Ammonia (N) by IC
20497	8	20880	23744	SAMPLE	W030000818	Ammonia (N) by IC
20497	9	20880	23744	SAMPLE	W030000819	Ammonia (N) by IC
20443	1	20826	23812	BLANK		Uranium Isotopics by AEA
20443	2	20826	23812	LCS		Uranium Isotopics by AEA
20443	3	20826	23812	DUP	W030000817	Uranium Isotopics by AEA
20443	4	20826	23812	SAMPLE	W030000817	Uranium Isotopics by AEA
20443	5	20826	23812	SAMPLE	W030000818	Uranium Isotopics by AEA
20443	6	20826	23812	SAMPLE	W030000819	Uranium Isotopics by AEA
20444	1	20827	23815	BLANK		Plutonium Isotopics by AEA
20444	2	20827	23815	LCS		Plutonium Isotopics by AEA
20444	3	20827	23815	DUP	W030000817	Plutonium Isotopics by AEA
20444	4	20827	23815	SAMPLE	W030000817	Plutonium Isotopics by AEA
20444	5	20827	23815	SAMPLE	W030000818	Plutonium Isotopics by AEA
20444	6	20827	23815	SAMPLE	W030000819	Plutonium Isotopics by AEA
20445	1	20828	23816	BLANK		Americium by AEA
20445	2	20828	23816	LCS		Americium by AEA
20445	3	20828	23816	DUP	W030000817	Americium by AEA

20445	4	20828	23816	SAMPLE	W030000817	Americium by AEA
20445	5	20828	23816	SAMPLE	W030000818	Americium by AEA
20445	6	20828	23816	SAMPLE	W030000819	Americium by AEA
20571	1	20955	23827	BLANK		NWTPH-GX TPH Gasoline Range
20571	2	20955	23827	LCS		NWTPH-GX TPH Gasoline Range
20571	4	20955	23827	MS	W030000817	NWTPH-GX TPH Gasoline Range
20571	5	20955	23827	MSD	W030000817	NWTPH-GX TPH Gasoline Range
20571	3	20955	23827	SAMPLE	W030000817	NWTPH-GX TPH Gasoline Range
20571	5	20955	23827	SPK-RPD	W030000817	NWTPH-GX TPH Gasoline Range
20571	6	20955	23827	SAMPLE	W030000818	NWTPH-GX TPH Gasoline Range
20571	7	20955	23827	SAMPLE	W030000819	NWTPH-GX TPH Gasoline Range
20577	1	20961	23844	BLANK		Alcohols, Glycols - 8015
20577	2	20961	23844	LCS		Alcohols, Glycols - 8015
20577	4	20961	23844	MS	W030000817	Alcohols, Glycols - 8015
20577	5	20961	23844	MSD	W030000817	Alcohols, Glycols - 8015
20577	3	20961	23844	SAMPLE	W030000817	Alcohols, Glycols - 8015
20577	5	20961	23844	SPK-RPD	W030000817	Alcohols, Glycols - 8015
20577	6	20961	23844	SAMPLE	W030000818	Alcohols, Glycols - 8015
20577	7	20961	23844	SAMPLE	W030000819	Alcohols, Glycols - 8015
		23847		BLANK		VOA Ground Water Protection
		23847		LCS		VOA Ground Water Protection
		23847		MS	W030000817	VOA Ground Water Protection
		23847		MSD	W030000817	VOA Ground Water Protection
		23847		SAMPLE	W030000817	VOA Ground Water Protection
		23847		SPK-RPD	W030000817	VOA Ground Water Protection
		23847		SURR	W030000817	VOA Ground Water Protection
		23847		SAMPLE	W030000818	VOA Ground Water Protection
		23847		SURR	W030000818	VOA Ground Water Protection
		23847		SAMPLE	W030000819	VOA Ground Water Protection
		23847		SURR	W030000819	VOA Ground Water Protection

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031244
 Matrix: SOLID
 Test: PCBs complete list

SAF Number: F03-006
 Sample Date: 09/10/03
 Receive Date: 09/10/03

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
---------	---------	-------	----------	----------	-------	---------------	-------------	-------------	----

Lab ID: W030000817
 BATCH QC ASSOCIATED WITH SAMPLE

SURR	Decachlorobiphenyl	2051-24-3	1155.9	113.000	% Recov	09/17/03	50.000	150.000	
SURR	Tetrachloro-m-xylene	877-09-8	970.61	94.600	% Recov	09/17/03	50.000	150.000	

Lab ID: W030000818
 BATCH QC ASSOCIATED WITH SAMPLE

SURR	Decachlorobiphenyl	2051-24-3	1133.8	114.000	% Recov	09/17/03	50.000	150.000	
SURR	Tetrachloro-m-xylene	877-09-8	869.00	87.100	% Recov	09/17/03	50.000	150.000	

Lab ID: W030000819
 BATCH QC ASSOCIATED WITH SAMPLE

MS	Aroclor-1254	11097-69-1	136.27	114.000	% Recov	09/17/03	75.000	125.000	
MS	Decachlorobiphenyl	2051-24-3	906.25	91.300	% Recov	09/17/03	50.000	150.000	
MS	Tetrachloro-m-xylene	877-09-8	888.72	89.600	% Recov	09/17/03	50.000	150.000	
MSD	Aroclor-1254	11097-69-1	132.62	110.000	% Recov	09/17/03	75.000	125.000	
MSD	Decachlorobiphenyl	2051-24-3	1005.4	99.900	% Recov	09/17/03	50.000	150.000	
MSD	Tetrachloro-m-xylene	877-09-8	756.74	75.200	% Recov	09/17/03	50.000	150.000	
SPK-RPD	Aroclor-1254	11097-69-1	110.000	3.671	RPD	09/17/03	0.000	25.000	
SPK-RPD	Decachlorobiphenyl	2051-24-3	99.900	8.996	RPD	09/17/03	0.000	20.000	
SPK-RPD	Tetrachloro-m-xylene	877-09-8	75.200	17.476	RPD	09/17/03	0.000	20.000	
SURR	Decachlorobiphenyl	2051-24-3	1153.0	117.000	% Recov	09/17/03	50.000	150.000	
SURR	Tetrachloro-m-xylene	877-09-8	704.09	71.400	% Recov	09/17/03	50.000	150.000	

BATCH QC

BLANK	Aroclor-1016	12674-11-2	< 50	n/a	ug/Kg	09/17/03			U
BLANK	Aroclor-1221	11104-28-2	< 100	n/a	ug/Kg	09/17/03			U
BLANK	Aroclor-1232	11141-16-5	< 50	n/a	ug/Kg	09/17/03			U

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031244
 Matrix: SOLID
 Test: PCBs complete list

SAF Number: F03-006
 Sample Date:
 Receive Date:

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
BLANK	Aroclor-1242	53469-21-9	< 50	n/a	ug/Kg	09/17/03			U
BLANK	Aroclor-1248	12672-29-6	< 50	n/a	ug/Kg	09/17/03			U
BLANK	Aroclor-1254	11097-69-1	< 50	n/a	ug/Kg	09/17/03			U
BLANK	Aroclor-1260	11096-82-5	< 50	n/a	ug/Kg	09/17/03			U
BLANK	Aroclor-1262	37324-23-5	< 50	n/a	ug/Kg	09/17/03			U
BLANK	Aroclor-1268	11100-14-4	< 50	n/a	ug/Kg	09/17/03			U
BLANK	Decachlorobiphenyl	2051-24-3	1133.0	113.000	% Recov	09/17/03	50.000	150.000	
BLANK	Tetrachloro-m-xylene	877-09-8	881.29	88.100	% Recov	09/17/03	50.000	150.000	
LCS	Aroclor-1254	11097-69-1	1187.4	119.000	% Recov	09/17/03	70.000	130.000	
LCS	Decachlorobiphenyl	2051-24-3	1153.0	115.000	% Recov	09/17/03	50.000	150.000	
LCS	Tetrachloro-m-xylene	877-09-8	909.91	91.000	% Recov	09/17/03	50.000	150.000	

WSCF ANALYTICAL LABORATORY QC REPORT

2 - 34

SDG Number: WSCF20031244
 Matrix: SOLID
 Test: ICP-2008 MS All possible metal

SAF Number: F03-006
 Sample Date: 09/03/03
 Receive Date: 09/03/03

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
Lab ID: W030000789									
BATCH QC ASSOCIATED WITH SAMPLE									
MS	Silver	7440-22-4	312.4	78.100	% Recov	09/19/03	70.000	130.000	
MS	Arsenic	7440-38-2	354.6	88.650	% Recov	09/19/03	70.000	130.000	
MS	Barium	7440-39-3	387	96.750	% Recov	09/19/03	70.000	130.000	
MS	Beryllium	7440-41-7	340.2	85.050	% Recov	09/19/03	70.000	130.000	
MS	Cadmium	7440-43-9	357.8	89.450	% Recov	09/19/03	70.000	130.000	
MS	Chromium	7440-47-3	346.4	86.600	% Recov	09/19/03	70.000	130.000	
MS	Copper	7440-50-8	343.44	85.860	% Recov	09/19/03	70.000	130.000	
MS	Mercury	7439-97-6	19.84	99.200	% Recov	09/19/03	70.000	130.000	
MS	Nickel	7440-02-0	340	85.000	% Recov	09/19/03	70.000	130.000	
MS	Lead	7439-92-1	363.5	90.875	% Recov	09/19/03	70.000	130.000	
MS	Antimony	7440-36-0	375.1	93.775	% Recov	09/19/03	70.000	130.000	
MS	Selenium	7782-49-2	350.6	87.650	% Recov	09/19/03	70.000	130.000	
MS	Uranium	7440-61-1	357.8	89.450	% Recov	09/19/03	70.000	130.000	
MSD	Silver	7440-22-4	353.4	88.350	% Recov	09/19/03	70.000	130.000	
MSD	Arsenic	7440-38-2	400.634	100.158	% Recov	09/19/03	70.000	130.000	
MSD	Barium	7440-39-3	429.2	107.300	% Recov	09/19/03	70.000	130.000	
MSD	Beryllium	7440-41-7	390.2	97.550	% Recov	09/19/03	70.000	130.000	
MSD	Cadmium	7440-43-9	402.1	100.525	% Recov	09/19/03	70.000	130.000	
MSD	Chromium	7440-47-3	394.7	98.675	% Recov	09/19/03	70.000	130.000	
MSD	Copper	7440-50-8	382.94	95.735	% Recov	09/19/03	70.000	130.000	
MSD	Mercury	7439-97-6	22.46	112.300	% Recov	09/19/03	70.000	130.000	
MSD	Nickel	7440-02-0	390.8	97.700	% Recov	09/19/03	70.000	130.000	
MSD	Lead	7439-92-1	406.9	101.725	% Recov	09/19/03	70.000	130.000	
MSD	Antimony	7440-36-0	419.4	104.850	% Recov	09/19/03	70.000	130.000	
MSD	Selenium	7782-49-2	397.1	99.275	% Recov	09/19/03	70.000	130.000	
MSD	Uranium	7440-61-1	402.1	100.525	% Recov	09/19/03	70.000	130.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031244
 Matrix: SOLID
 Test: ICP-2008 MS All possible metal

SAF Number: F03-006
 Sample Date: 09/03/03
 Receive Date: 09/03/03

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
---------	---------	-------	----------	----------	-------	---------------	-------------	-------------	----

Lab ID: W030000807
 BATCH QC ASSOCIATED WITH SAMPLE

MS	Arsenic	7440-38-2	385.568	96.392	% Recov	09/19/03	70.000	130.000	
MSD	Arsenic	7440-38-2	343.268	85.817	% Recov	09/19/03	70.000	130.000	

Lab ID: W03D000046
 BATCH QC ASSOCIATED WITH SAMPLE

MS	Silver	7440-22-4	326.4	81.600	% Recov	09/19/03	70.000	130.000	
MS	Arsenic	7440-38-2	383.978	95.995	% Recov	09/19/03	70.000	130.000	
MS	Barium	7440-39-3	328.8	82.200	% Recov	09/19/03	70.000	130.000	
MS	Beryllium	7440-41-7	380.2	95.050	% Recov	09/19/03	70.000	130.000	
MS	Cadmium	7440-43-9	372.9	93.225	% Recov	09/19/03	70.000	130.000	
MS	Chromium	7440-47-3	372.1	93.025	% Recov	09/19/03	70.000	130.000	
MS	Copper	7440-50-8	372.8	93.200	% Recov	09/19/03	70.000	130.000	
MS	Mercury	7439-97-6	21.53	107.650	% Recov	09/19/03	70.000	130.000	
MS	Nickel	7440-02-0	363.8	90.950	% Recov	09/19/03	70.000	130.000	
MS	Lead	7439-92-1	377	94.250	% Recov	09/19/03	70.000	130.000	
MS	Antimony	7440-36-0	402.7	100.675	% Recov	09/19/03	70.000	130.000	
MS	Selenium	7782-49-2	377.8	94.450	% Recov	09/19/03	70.000	130.000	
MS	Uranium	7440-61-1	380.3	95.075	% Recov	09/19/03	70.000	130.000	
MSD	Silver	7440-22-4	326.6	81.650	% Recov	09/19/03	70.000	130.000	
MSD	Arsenic	7440-38-2	380.278	95.070	% Recov	09/19/03	70.000	130.000	
MSD	Barium	7440-39-3	322.7	80.675	% Recov	09/19/03	70.000	130.000	
MSD	Beryllium	7440-41-7	383.1	95.775	% Recov	09/19/03	70.000	130.000	
MSD	Cadmium	7440-43-9	366.7	91.675	% Recov	09/19/03	70.000	130.000	
MSD	Chromium	7440-47-3	363.2	90.800	% Recov	09/19/03	70.000	130.000	
MSD	Copper	7440-50-8	368.7	92.175	% Recov	09/19/03	70.000	130.000	
MSD	Mercury	7439-97-6	21.18	105.900	% Recov	09/19/03	70.000	130.000	
MSD	Nickel	7440-02-0	362.1	90.525	% Recov	09/19/03	70.000	130.000	

WSCF ANALYTICAL LABORATORY QC REPORT

2 - 36

SDG Number: WSCF20031244
 Matrix: SOLID
 Test: ICP-2008 MS All possible metal

SAF Number: F03-006
 Sample Date: 09/11/03
 Receive Date: 09/17/03

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
MSD	Lead	7439-92-1	372.3	93.075	% Recov	09/19/03	70.000	130.000	
MSD	Antimony	7440-36-0	396.7	99.175	% Recov	09/19/03	70.000	130.000	
MSD	Selenium	7782-49-2	377.1	94.275	% Recov	09/19/03	70.000	130.000	
MSD	Uranium	7440-61-1	373.5	93.375	% Recov	09/19/03	70.000	130.000	

BATCH QC

BLANK	Silver	7440-22-4	0.2	0.200	ug/L	09/19/03	-0.440	0.440	
BLANK	Silver	7440-22-4	0.204	0.204	ug/L	09/22/03	-0.440	0.440	
BLANK	Arsenic	7440-38-2	<0.3	n/a	ug/L	09/22/03	-0.660	0.660	U
BLANK	Arsenic	7440-38-2	<0.3	n/a	ug/L	09/19/03	-0.660	0.660	U
BLANK	Barium	7440-39-3	<0.2	n/a	ug/L	09/19/03	-0.440	0.440	U
BLANK	Barium	7440-39-3	<0.2	n/a	ug/L	09/22/03	-0.440	0.440	U
BLANK	Beryllium	7440-41-7	<0.3	n/a	ug/L	09/22/03	-0.660	0.660	U
BLANK	Beryllium	7440-41-7	<0.3	n/a	ug/L	09/19/03	-0.660	0.660	U
BLANK	Cadmium	7440-43-9	0.324	0.324	ug/L	09/19/03	-0.220	0.220	
BLANK	Cadmium	7440-43-9	<0.1	n/a	ug/L	09/22/03	-0.220	0.220	U
BLANK	Chromium	7440-47-3	<0.3	n/a	ug/L	09/22/03	-0.660	0.660	U
BLANK	Chromium	7440-47-3	<0.3	n/a	ug/L	09/19/03	-0.660	0.660	U
BLANK	Copper	7440-50-8	<0.5	n/a	ug/L	09/19/03	-1.100	1.100	U
BLANK	Copper	7440-50-8	<0.5	n/a	ug/L	09/22/03	-1.100	1.100	U
BLANK	Mercury	7439-97-6	<0.1	n/a	ug/L	09/22/03	-0.220	0.220	U
BLANK	Mercury	7439-97-6	<0.1	n/a	ug/L	09/19/03	-0.220	0.220	U
BLANK	Nickel	7440-02-0	<0.5	n/a	ug/L	09/19/03	-1.100	1.100	U
BLANK	Nickel	7440-02-0	<0.5	n/a	ug/L	09/22/03	-1.100	1.100	U
BLANK	Lead	7439-92-1	<1.2	n/a	ug/L	09/19/03	-2.640	2.640	U
BLANK	Lead	7439-92-1	<1.2	n/a	ug/L	09/22/03	-2.640	2.640	U
BLANK	Antimony	7440-36-0	0.689	0.689	ug/L	09/19/03	-1.100	1.100	
BLANK	Antimony	7440-36-0	<0.5	n/a	ug/L	09/22/03	-1.100	1.100	U
BLANK	Selenium	7782-49-2	<0.3	n/a	ug/L	09/19/03	-0.660	0.660	U
BLANK	Selenium	7782-49-2	<0.3	n/a	ug/L	09/22/03	-0.660	0.660	U

WSCF ANALYTICAL LABORATORY QC REPORT

2-37

SDG Number: WSCF20031244
 Matrix: SOLID
 Test: ICP-2008 MS All possible metal

SAF Number: F03-006
 Sample Date:
 Receive Date:

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
BLANK	Uranium	7440-61-1	<0.1	n/a	ug/L	09/22/03	-0.220	0.220	U
BLANK	Uranium	7440-61-1	<0.1	n/a	ug/L	09/19/03	-0.220	0.220	U
LCS	Silver	7440-22-4	146.3	122.941	% Recov	09/22/03	85.000	115.000	
LCS	Silver	7440-22-4	147	123.529	% Recov	09/19/03	85.000	115.000	
LCS	Arsenic	7440-38-2	199.9	102.513	% Recov	09/22/03	85.000	115.000	
LCS	Arsenic	7440-38-2	206.1	105.692	% Recov	09/19/03	85.000	115.000	
LCS	Barium	7440-39-3	342.6	87.398	% Recov	09/19/03	85.000	115.000	
LCS	Barium	7440-39-3	378.4	96.531	% Recov	09/22/03	85.000	115.000	
LCS	Beryllium	7440-41-7	76.07	101.023	% Recov	09/22/03	85.000	115.000	
LCS	Beryllium	7440-41-7	81.23	107.875	% Recov	09/19/03	85.000	115.000	
LCS	Cadmium	7440-43-9	72.3	105.394	% Recov	09/22/03	85.000	115.000	
LCS	Cadmium	7440-43-9	72.76	106.064	% Recov	09/19/03	85.000	115.000	
LCS	Chromium	7440-47-3	77.81	89.954	% Recov	09/22/03	85.000	115.000	
LCS	Chromium	7440-47-3	75.13	86.855	% Recov	09/19/03	85.000	115.000	
LCS	Copper	7440-50-8	124.3	97.874	% Recov	09/22/03	85.000	115.000	
LCS	Copper	7440-50-8	125.1	98.504	% Recov	09/19/03	85.000	115.000	
LCS	Mercury	7439-97-6	10.07	107.014	% Recov	09/22/03	85.000	115.000	
LCS	Mercury	7439-97-6	9.881	105.005	% Recov	09/19/03	85.000	115.000	
LCS	Nickel	7440-02-0	79.7	95.335	% Recov	09/19/03	85.000	115.000	
LCS	Nickel	7440-02-0	85.57	102.356	% Recov	09/22/03	85.000	115.000	
LCS	Lead	7439-92-1	96.75	102.381	% Recov	09/19/03	85.000	115.000	
LCS	Lead	7439-92-1	97.62	103.302	% Recov	09/22/03	85.000	115.000	
LCS	Antimony	7440-36-0	131.9	95.580	% Recov	09/19/03	85.000	115.000	
LCS	Antimony	7440-36-0	121.4	87.971	% Recov	09/22/03	85.000	115.000	
LCS	Selenium	7782-49-2	122.4	107.368	% Recov	09/22/03	85.000	115.000	
LCS	Selenium	7782-49-2	124.4	109.123	% Recov	09/19/03	85.000	115.000	
LCS	Uranium	7440-61-1	400.7	103.273	% Recov	09/19/03	85.000	115.000	
LCS	Uranium	7440-61-1	371.3	94.478	% Recov	09/22/03	85.000	115.000	

WSCF ANALYTICAL LABORATORY QC REPORT

2-38

SDG Number: WSCF20031244
 Matrix: SOLID
 Test: SW-846 8270B Semi-Vols

SAF Number: F03-006
 Sample Date:
 Receive Date:

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
BATCH QC									
BLANK	1,2-Dichlorobenzene	95-50-1	< 360	n/a	ug/Kg	09/16/03			U
BLANK	1,2,4-Trichlorobenzene	120-82-1	< 290	n/a	ug/Kg	09/16/03			U
BLANK	1,3-Dichlorobenzene	541-73-1	< 320	n/a	ug/Kg	09/16/03			U
BLANK	1,4-Dichlorobenzene	106-46-7	< 310	n/a	ug/Kg	09/16/03			U
BLANK	2,4-Dichlorophenol	120-83-2	< 80	n/a	ug/Kg	09/16/03			U
BLANK	2,4-Dinitrotoluene	121-14-2	< 67	n/a	ug/Kg	09/16/03			U
BLANK	2,4,5-Trichlorophenol	95-95-4	< 73	n/a	ug/Kg	09/16/03			U
BLANK	2,4,6-Trichlorophenol	88-06-2	< 67	n/a	ug/Kg	09/16/03			U
BLANK	2,4-Dimethylphenol	105-67-9	< 67	n/a	ug/Kg	09/16/03			U
BLANK	2,6-Dinitrotoluene	606-20-2	< 67	n/a	ug/Kg	09/16/03			U
BLANK	2-Butoxyethanol	111-76-2	< 100	n/a	ug/Kg	09/16/03			U
BLANK	2-Chloronaphthalene	91-58-7	< 67	n/a	ug/Kg	09/16/03			U
BLANK	2-Fluorophenol	367-12-4	2676.3	80.300	%Recover	09/16/03	42.000	105.000	U
BLANK	2-Methylnaphthalene	91-57-6	< 180	n/a	ug/Kg	09/16/03			U
BLANK	2-Methylphenol (cresol, o-)	95-48-7	< 67	n/a	ug/Kg	09/16/03			U
BLANK	2-Nitroaniline	88-74-4	< 67	n/a	ug/Kg	09/16/03			U
BLANK	2-Nitrophenol	88-75-5	< 170	n/a	ug/Kg	09/16/03			U
BLANK	3 & 4 Methylphenol Total	65794-96-9	< 110	n/a	ug/Kg	09/16/03	0.000	300.000	U
BLANK	3-Nitroaniline	99-09-2	< 67	n/a	ug/Kg	09/16/03			U
BLANK	4,6-Dinitro-2-methylphenol	534-52-1	< 670	n/a	ug/Kg	09/16/03			U
BLANK	4-Bromophenylphenyl ether	101-55-3	< 67	n/a	ug/Kg	09/16/03			U
BLANK	4-Chlorophenylphenyl ether	7005-72-3	< 67	n/a	ug/Kg	09/16/03			U
BLANK	Acenaphthene	83-32-9	< 67	n/a	ug/Kg	09/16/03			U
BLANK	Acenaphthylene	208-96-8	< 80	n/a	ug/Kg	09/16/03			U
BLANK	Anthracene	120-12-7	< 67	n/a	ug/Kg	09/16/03			U
BLANK	Bis(2-chloroethyl) ether	111-44-4	< 250	n/a	ug/Kg	09/16/03			U
BLANK	Benzo(a)anthracene	56-55-3	< 67	n/a	ug/Kg	09/16/03			U

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031244
 Matrix: SOLID
 Test: SW-846 8270B Semi-Vols

SAF Number: F03-006
 Sample Date:
 Receive Date:

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
BLANK	Benzo(b)fluoranthene	205-99-2	< 67	n/a	ug/Kg	09/16/03			U
BLANK	Benzo(ghi)perylene	191-24-2	< 67	n/a	ug/Kg	09/16/03			U
BLANK	Benzo(a)pyrene	50-32-8	< 67	n/a	ug/Kg	09/16/03			U
BLANK	Bis(2-Chloroethoxy)methane	111-91-1	< 110	n/a	ug/Kg	09/16/03			U
BLANK	Bis(2-ethylhexyl) phthalate	117-81-7	< 560	n/a	ug/Kg	09/16/03			U
BLANK	Bis(2-chloro-1-methylethyl)eth	108-60-1	< 250	n/a	ug/Kg	09/16/03	0.000	10.000	U
BLANK	Benzyl alcohol	100-51-6	< 73	n/a	ug/Kg	09/16/03			U
BLANK	Benzo(k)fluoranthene	207-08-9	< 67	n/a	ug/Kg	09/16/03			U
BLANK	Butylbenzylphthalate	85-68-7	< 67	n/a	ug/Kg	09/16/03			U
BLANK	Carbazole	86-74-8	< 80	n/a	ug/Kg	09/16/03			U
BLANK	4-Chloroaniline	106-47-8	< 93	n/a	ug/Kg	09/16/03			U
BLANK	4-Chloro-3-methylphenol	59-50-7	< 67	n/a	ug/Kg	09/16/03			U
BLANK	2-Chlorophenol	95-57-8	< 150	n/a	ug/Kg	09/16/03			U
BLANK	Chrysene	218-01-9	< 67	n/a	ug/Kg	09/16/03			U
BLANK	3,3'-Dichlorobenzidine	91-94-1	< 80	n/a	ug/Kg	09/16/03			U
BLANK	Dibenz[a,h]anthracene	53-70-3	< 67	n/a	ug/Kg	09/16/03			U
BLANK	Dibenzofuran	132-64-9	< 67	n/a	ug/Kg	09/16/03			U
BLANK	Di-n-butylphthalate	84-74-2	< 87	n/a	ug/Kg	09/16/03			U
BLANK	Diethylphthalate	84-66-2	< 190	n/a	ug/Kg	09/16/03			U
BLANK	Dimethyl phthalate	131-11-3	< 67	n/a	ug/Kg	09/16/03			U
BLANK	2,4-Dinitrophenol	51-28-5	< 670	n/a	ug/Kg	09/16/03			U
BLANK	Di-n-octylphthalate	117-84-0	< 67	n/a	ug/Kg	09/16/03			U
BLANK	N-Nitrosodi-n-dipropylamine	621-64-7	< 67	n/a	ug/Kg	09/16/03			U
BLANK	2-Fluorobiphenyl	321-60-8	2845.8	85.400	%Recover	09/16/03	56.000	122.000	U
BLANK	Fluorene	86-73-7	< 67	n/a	ug/Kg	09/16/03			U
BLANK	Fluoranthene	206-44-0	< 67	n/a	ug/Kg	09/16/03			U
BLANK	Hexachlorobenzene	118-74-1	< 67	n/a	ug/Kg	09/16/03			U
BLANK	Hexachlorobutadiene	87-68-3	< 370	n/a	ug/Kg	09/16/03			U
BLANK	Hexachlorocyclopentadiene	77-47-4	< 310	n/a	ug/Kg	09/16/03			U
BLANK	Hexachloroethane	67-72-1	< 470	n/a	ug/Kg	09/16/03			U

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031244
 Matrix: SOLID
 Test: SW-846 8270B Semi-Vols

SAF Number: F03-006
 Sample Date:
 Receive Date:

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
BLANK	Indeno(1,2,3-cd)pyrene	193-39-5	< 67	n/a	ug/Kg	09/16/03			U
BLANK	Isophorone	78-59-1	< 67	n/a	ug/Kg	09/16/03			U
BLANK	Phenol	108-95-2	< 100	n/a	ug/Kg	09/16/03			U
BLANK	Naphthalene	91-20-3	< 290	n/a	ug/Kg	09/16/03			U
BLANK	Nitrobenzene-d5	4165-60-0	2833.1	85.000	%Recover	09/16/03	64.000	111.000	
BLANK	Nitrobenzene	98-95-3	< 260	n/a	ug/Kg	09/16/03			U
BLANK	4-Nitrophenol	100-02-7	< 650	n/a	ug/Kg	09/16/03			U
BLANK	4-Nitroaniline	100-01-6	< 250	n/a	ug/Kg	09/16/03			U
BLANK	N-Nitrosodiphenylamine	86-90-6	< 67	n/a	ug/Kg	09/16/03			U
BLANK	Pentachlorophenol	87-86-5	< 300	n/a	ug/Kg	09/16/03			U
BLANK	Phenanthrene	85-01-8	< 67	n/a	ug/Kg	09/16/03			U
BLANK	Phenol-d5	4165-62-2	2564.1	76.900	%Recover	09/16/03	54.000	120.000	
BLANK	Pyrene	129-00-0	< 67	n/a	ug/Kg	09/16/03			U
BLANK	Tributyl phosphate	126-73-8	< 67	n/a	ug/Kg	09/16/03			U
BLANK	2,4,6-Tribromophenol	118-79-6	2457.6	73.700	%Recover	09/16/03	24.000	122.000	
BLANK	Terphenyl-d14 (7Cl)	98904-43-9	2864.7	85.900	%Recover	09/16/03	35.000	150.000	
LCS	1,2,4-Trichlorobenzene	120-82-1	3085.9	92.600	% Recov	09/16/03	46.000	107.000	
LCS	1,4-Dichlorobenzene	106-46-7	2858.9	85.800	% Recov	09/16/03	42.000	111.000	
LCS	2,4-Dinitrotoluene	121-14-2	2724.0	81.700	% Recov	09/16/03	59.000	106.000	
LCS	2-Fluorophenol	367-12-4	2566.1	77.000	% Recov	09/16/03	50.000	110.000	
LCS	Acenaphthene	83-32-9	2940.7	88.200	% Recov	09/16/03	61.000	116.000	
LCS	4-Chloro-3-methylphenol	59-50-7	4418.1	88.400	% Recov	09/16/03	61.000	106.000	
LCS	2-Chlorophenol	95-57-8	4201.6	84.000	% Recov	09/16/03	66.000	106.000	
LCS	N-Nitrosodi-n-dipropylamine	621-64-7	3004.0	90.100	% Recov	09/16/03	71.000	114.000	
LCS	2-Fluorobiphenyl	321-60-8	2783.6	83.500	% Recov	09/16/03	59.000	109.000	
LCS	Phenol	108-95-2	4300.7	86.000	% Recov	09/16/03	67.000	105.000	
LCS	Nitrobenzene-d5	4165-60-0	2839.2	85.200	% Recov	09/16/03	60.000	118.000	
LCS	4-Nitrophenol	100-02-7	3667.6	73.400	% Recov	09/16/03	32.000	118.000	
LCS	Pentachlorophenol	87-86-5	3815.6	76.300	% Recov	09/16/03	62.000	114.000	
LCS	Phenol-d5	4165-62-2	2629.4	78.900	% Recov	09/16/03	59.000	116.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031244
Matrix: SOLID
Test: SW-846 8270B Semi-Vols

SAF Number: F03-006
Sample Date:
Receive Date:

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
LCS	Pyrene	129-00-0	2967.8	89.000	% Recov	09/16/03	66.000	118.000	
LCS	2,4,6-Tribromophenol	118-79-6	2600.2	78.000	% Recov	09/16/03	60.000	120.000	
LCS	Terphenyl:d[4-17Cl]	98904-43-9	2825.1	84.800	% Recov	09/16/03	60.000	120.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031244
 Matrix: SOLID
 Test: WTPH-D.TPH Diesel Range (Wa)

SAF Number: F03-006
 Sample Date: 09/10/03
 Receive Date: 09/10/03

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
---------	---------	-------	----------	----------	-------	---------------	-------------	-------------	----

Lab ID: W030000817
 BATCH QC ASSOCIATED WITH SAMPLE

SURR	ortho-Terphenyl	Surr	84-15-1	35320	101.000	% Recov	09/22/03	70.000	130.000	
------	-----------------	------	---------	-------	---------	---------	----------	--------	---------	--

Lab ID: W030000818
 BATCH QC ASSOCIATED WITH SAMPLE

MS	Kerosene		TPHKEROSENE	101290	78.900	% Recove	09/22/03	70.000	130.000	
MS	ortho-Terphenyl	Surr	84-15-1	23478	91.400	% Recov	09/22/03	70.000	130.000	
MSD	Kerosene		TPHKEROSENE	122320	80.200	% Recove	09/22/03	70.000	130.000	
MSD	ortho-Terphenyl	Surr	84-15-1	27493	90.100	% Recov	09/22/03	70.000	130.000	
SPK-RPD	ortho-Terphenyl	Surr	84-15-1	90.100	1.433	RPD	09/22/03	0.000	20.000	
SURR	ortho-Terphenyl	Surr	84-15-1	36147	103.000	% Recov	09/22/03	70.000	130.000	

Lab ID: W030000819
 BATCH QC ASSOCIATED WITH SAMPLE

SURR	ortho-Terphenyl	Surr	84-15-1	34854	101.000	% Recov	09/22/03	70.000	130.000	
------	-----------------	------	---------	-------	---------	---------	----------	--------	---------	--

BATCH QC

BLANK	Kerosene		TPHKEROSENE	< 3800	n/a	ug/Kg	09/22/03	0.000	100.000	U
BLANK	ortho-Terphenyl	Surr	84-15-1	36594	108.000	ug/Kg	09/22/03	70.000	130.000	
BLANK	Total Pet. Hydrocarbons Diesel		TPHDIESEL	< 3800	n/a	ug/Kg	09/22/03	0.000	300.000	U
LCS	ortho-Terphenyl	Surr	84-15-1	33961	99.900	% Recov	09/22/03	70.000	130.000	
LCS	Total Pet. Hydrocarbons Diesel		TPHDIESEL	106520	85.200	% Recov	09/22/03	80.000	120.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031244
 Matrix: SOLID
 Test: ICP Metals Analysis, Grd H20 P

SAF Number: F03-006
 Sample Date: 09/10/03
 Receive Date: 09/10/03

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
---------	---------	-------	----------	----------	-------	---------------	-------------	-------------	----

Lab ID: W030000819
BATCH QC ASSOCIATED WITH SAMPLE

MS	Boron	7440-42-8	264	106.024	% Recov	09/23/03	75.000	125.000	
MS	Bismuth	7440-69-9	240	96.386	% Recov	09/23/03	75.000	125.000	
MSD	Boron	7440-42-8	266	107.692	% Recov	09/23/03	75.000	125.000	
MSD	Bismuth	7440-69-9	244	98.785	% Recov	09/23/03	75.000	125.000	
SPK-RPD	Boron	7440-42-8	107.692	1.561	RPD	09/23/03	0.000	20.000	
SPK-RPD	Bismuth	7440-69-9	98.785	2.458	RPD	09/23/03	0.000	20.000	

BATCH QC

BLANK	Boron	7440-42-8	<0.102	n/a	ug/L	09/23/03	-10.000	10.000	U
BLANK	Bismuth	7440-69-9	<0.1	n/a	ug/L	09/23/03	-1.000	0.068	U
LCS	Boron	7440-42-8	57.7	90.016	% Recov	09/23/03	80.000	120.000	
LCS	Bismuth	7440-69-9	283	57.287	% Recov	09/23/03	80.000	120.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031244
 Matrix: SOLID
 Test: Cyanide by Midi/Spectrophotom

SAF Number: F03-006
 Sample Date: 09/10/03
 Receive Date: 09/10/03

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
---------	---------	-------	----------	----------	-------	---------------	-------------	-------------	----

Lab ID: W030000817
BATCH QC ASSOCIATED WITH SAMPLE

MS	Cyanide by Midi/Spectrophotom	57-12-5	100	100.000	% Recov	09/25/03	75.000	125.000	
MSD	Cyanide by Midi/Spectrophotom	57-12-5	95	95.000	% Recov	09/25/03	75.000	125.000	
SPK-RPD	Cyanide by Midi/Spectrophotom	57-12-5	95.000	5.128	RPD	09/25/03	0.000	20.000	

BATCH QC

BLANK	Cyanide by Midi/Spectrophotom	57-12-5	<1	n/a	ug/L	09/25/03	-4.000	4.000	U
BLNK-PREP	Cyanide by Midi/Spectrophotom	57-12-5	<1	n/a	ug/L	09/25/03	-4.000	4.000	U
DUP	Cyanide by Midi/Spectrophotom	57-12-5	N/A	n/a	RPD	09/25/03	0.000	20.000	
LCS	Cyanide by Midi/Spectrophotom	57-12-5	103.4	103.400	% Recov	09/25/03	85.000	115.000	
LCS-2	Cyanide by Midi/Spectrophotom	57-12-5	N/A	n/a	% Recov	09/25/03	85.000	115.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031244
 Matrix: SOLID
 Test: Anions by Ion Chromatography

SAF Number: F03-006
 Sample Date: 09/10/03
 Receive Date: 09/10/03

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
---------	---------	-------	----------	----------	-------	---------------	-------------	-------------	----

Lab ID: W030000817
 BATCH QC ASSOCIATED WITH SAMPLE

DUP	Chloride	16887-00-6	2.30e+00	33.503	RPD	09/17/03	0.000	20.000	
DUP	Fluoride	16984-48-8	< 3.50e-1	n/a	RPD	09/17/03	0.000	20.000	U
DUP	Nitrogen in Nitrite	NO2-N	< 4.50e-1	n/a	RPD	09/17/03	0.000	20.000	U
DUP	Nitrogen in Nitrate	NO3-N	5.73e-01	1.386	RPD	09/17/03	0.000	20.000	
DUP	Phosphate	14265-44-2	< 6.50e-1	n/a	RPD	09/17/03	0.000	20.000	U
DUP	Sulfate	14808-79-8	9.18e+00	44.637	RPD	09/17/03	0.000	20.000	
MS	Chloride	16887-00-6	8.82e-01	89.091	% Recov	09/17/03	75.000	125.000	
MS	Fluoride	16984-48-8	5.10e-01	104.294	% Recov	09/17/03	75.000	125.000	
MS	Nitrogen in Nitrite	NO2-N	4.28e-01	84.921	% Recov	09/17/03	75.000	125.000	
MS	Nitrogen in Nitrate	NO3-N	4.08e-01	91.480	% Recov	09/17/03	75.000	125.000	
MS	Phosphate	14265-44-2	8.18e-01	85.297	% Recov	09/17/03	75.000	125.000	
MS	Sulfate	14808-79-8	1.86e+00	94.416	% Recov	09/17/03	75.000	125.000	
MSD	Chloride	16887-00-6	9.64e-01	97.374	% Recov	09/17/03	75.000	125.000	
MSD	Fluoride	16984-48-8	5.51e-01	112.679	% Recov	09/17/03	75.000	125.000	
MSD	Nitrogen in Nitrite	NO2-N	4.65e-01	92.262	% Recov	09/17/03	75.000	125.000	
MSD	Nitrogen in Nitrate	NO3-N	4.45e-01	99.776	% Recov	09/17/03	75.000	125.000	
MSD	Phosphate	14265-44-2	8.91e-01	92.909	% Recov	09/17/03	75.000	125.000	
MSD	Sulfate	14808-79-8	2.26e+00	114.721	% Recov	09/17/03	75.000	125.000	

BATCH QC

BLANK	Chloride	16887-00-6	< 1.40e-2	n/a	mg/L	09/17/03	0.000	300.000	U
BLANK	Chloride	16887-00-6	< 1.40e-2	n/a	mg/L	09/16/03	0.000	300.000	U
BLANK	Fluoride	16984-48-8	< 7.00e-3	n/a	mg/L	09/16/03	0.000	300.000	U
BLANK	Fluoride	16984-48-8	< 7.00e-3	n/a	mg/L	09/17/03	0.000	300.000	U
BLANK	Nitrogen in Nitrite	NO2-N	< 9.00e-3	n/a	mg/L	09/17/03	0.000	300.000	U
BLANK	Nitrogen in Nitrite	NO2-N	< 9.00e-3	n/a	mg/L	09/16/03	0.000	300.000	U

WSCF ANALYTICAL LABORATORY QC REPORT

2 - 46

SDG Number: WSCF20031244
 Matrix: SOLID
 Test: Anions by Ion Chromatography

SAF Number: F03-006
 Sample Date:
 Receive Date:

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
BLANK	Nitrogen in Nitrate	NO3-N	<5.00e-3	n/a	mg/L	09/17/03	0.000	300.000	U
BLANK	Nitrogen in Nitrate	NO3-N	<5.00e-3	n/a	mg/L	09/16/03	0.000	300.000	U
BLANK	Phosphate	14265-44-2	<1.30e-2	n/a	mg/L	09/16/03	0.000	300.000	U
BLANK	Phosphate	14265-44-2	<1.30e-2	n/a	mg/L	09/17/03	0.000	300.000	U
BLANK	Sulfate	14808-79-8	<2.40e-2	n/a	mg/L	09/16/03	0.000	300.000	U
BLANK	Sulfate	14808-79-8	<2.40e-2	n/a	mg/L	09/17/03	0.000	300.000	U
LCS	Chloride	16887-00-6	1.90e+02	95.000	% Recov	09/17/03	80.000	120.000	
LCS	Fluoride	16984-48-8	1.02e+02	103.343	% Recov	09/17/03	80.000	120.000	
LCS	Nitrogen in Nitrite	NO2-N	9.08e+01	90.800	% Recov	09/17/03	80.000	120.000	
LCS	Nitrogen in Nitrate	NO3-N	8.53e+01	94.673	% Recov	09/17/03	80.000	120.000	
LCS	Phosphate	14265-44-2	1.81e+02	93.395	% Recov	09/17/03	80.000	120.000	
LCS	Sulfate	14808-79-8	3.79e+02	94.987	% Recov	09/17/03	80.000	120.000	

WSCF ANALYTICAL LABORATORY QC REPORT

2-47

SDG Number: WSCF20031244
 Matrix: SOLID
 Test: Gamma Energy Analysis-grd H2O

SAF Number: F03-006
 Sample Date: 09/10/03
 Receive Date: 09/10/03

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
Lab ID: W030000817									
BATCH QC ASSOCIATED WITH SAMPLE									
DUP	Actinium-228	14331-83-0	4.97e-01	8.662	RPD	09/29/03	0.000	20.000	
DUP	Americium-241	14596-10-2	U-4.20e-3	n/a	RPD	09/29/03	0.000	20.000	
DUP	Bismuth-212	14913-49-6	3.14e-01	12.817	RPD	09/29/03	0.000	20.000	
DUP	Bismuth-214	14733-03-0	3.67e-01	15.113	RPD	09/29/03	0.000	20.000	
DUP	Cerium-144	14762-78-8	U-3.13e-3	n/a	RPD	09/29/03	0.000	20.000	
DUP	Cobalt-60	10198-40-0	U9.83e-04	n/a	RPD	09/29/03	0.000	20.000	
DUP	Cesium-134	13967-70-9	U2.13e-02	n/a	RPD	09/29/03	0.000	20.000	
DUP	Cesium-137	10045-97-3	U3.08e-03	n/a	RPD	09/29/03	0.000	20.000	
DUP	Europium-152	14683-23-9	U7.70e-04	n/a	RPD	09/29/03	0.000	20.000	
DUP	Europium-154	15585-10-1	U-6.81e-3	n/a	RPD	09/29/03	0.000	20.000	
DUP	Europium-155	14391-16-9	U8.97e-03	n/a	RPD	09/29/03	0.000	20.000	
DUP	Niobium-94	14681-63-1	U9.05e-04	n/a	RPD	09/29/03	0.000	20.000	
DUP	Lead-212	15092-94-1	5.30e-01	0.189	RPD	09/29/03	0.000	20.000	
DUP	Lead-214	15067-28-4	4.40e-01	5.310	RPD	09/29/03	0.000	20.000	
DUP	Radium-226	13982-63-3	3.67e-01	15.113	RPD	09/29/03	0.000	20.000	
DUP	Radium-228	15262-20-1	4.97e-01	8.662	RPD	09/29/03	0.000	20.000	
DUP	Ruthenium-103	13968-63-1	U-5.11e-3	n/a	RPD	09/29/03	0.000	20.000	
DUP	Ruthenium-106	13967-48-1	U-1.32e-2	n/a	RPD	09/29/03	0.000	20.000	
DUP	Antimony-125	14234-35-6	U5.69e-04	n/a	RPD	09/29/03	0.000	20.000	
DUP	Tin-113	13966-06-8	U-4.20e-4	n/a	RPD	09/29/03	0.000	20.000	
DUP	Tin-126	15832-50-5	U1.12e-01	n/a	RPD	09/29/03	0.000	20.000	
DUP	Thorium-234	15065-10-8	U3.26e-01	n/a	RPD	09/29/03	0.000	20.000	
DUP	Thallium-208	14913-50-9	1.73e-01	12.270	RPD	09/29/03	0.000	20.000	
DUP	Uranium-235	15117-96-1	U6.75e-02	n/a	RPD	09/29/03	0.000	20.000	
DUP	Zinc-65	13982-39-3	U3.89e-03	n/a	RPD	09/29/03	0.000	20.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031244
 Matrix: SOLID
 Test: Gamma Energy Analysis-grd H2O

SAF Number: F03-006
 Sample Date:
 Receive Date:

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
BATCH QC									
BLANK	Actinium-228	14331-83-0	U1.97e-02	n/a	pCi/g	09/25/03	-10000.000	1000.000	
BLANK	Americium-241	14596-10-2	U-3.58e-2	n/a	pCi/g	09/25/03	-10000.000	1000.000	
BLANK	Bismuth-212	14913-49-6	U-6.57e-3	n/a	pCi/g	09/25/03	-10000.000	1000.000	
BLANK	Bismuth-214	14733-03-0	5.73e-02	0.057	pCi/g	09/25/03	-10000.000	1000.000	
BLANK	Cerium-144	14762-78-8	U-1.65e-2	n/a	pCi/g	09/25/03	-10000.000	1000.000	
BLANK	Cobalt-60	10198-40-0	U5.12e-04	n/a	pCi/g	09/25/03	-10000.000	1000.000	
BLANK	Cesium-134	13967-70-9	U1.11e-02	n/a	pCi/g	09/25/03	-10000.000	1000.000	
BLANK	Cesium-137	10045-97-3	U-1.23e-3	n/a	pCi/g	09/25/03	-10000.000	1000.000	
BLANK	Europium-152	14683-23-9	U-1.14e-2	n/a	pCi/g	09/25/03	-10000.000	1000.000	
BLANK	Europium-154	15585-10-1	U4.73e-05	n/a	pCi/g	09/25/03	-10000.000	1000.000	
BLANK	Europium-155	14391-16-3	U-1.70e-3	n/a	pCi/g	09/25/03	-10000.000	1000.000	
BLANK	Niobium-94	14681-63-1	U-2.83e-3	n/a	pCi/g	09/25/03	-10000.000	1000.000	
BLANK	Lead-212	15092-94-1	U-5.70e-3	n/a	pCi/g	09/25/03	-10000.000	1000.000	
BLANK	Lead-214	15067-28-4	4.02e-02	0.040	pCi/g	09/25/03	-10000.000	1000.000	
BLANK	Radium-226	13982-63-3	5.73e-02	0.057	pCi/g	09/25/03	-10000.000	1000.000	
BLANK	Radium-228	15262-20-1	U1.97e-02	n/a	pCi/g	09/25/03	-10000.000	1000.000	
BLANK	Ruthenium-103	13968-53-1	U2.16e-04	n/a	pCi/g	09/25/03	-10000.000	1000.000	
BLANK	Ruthenium-106	13967-48-1	U2.72e-02	n/a	pCi/g	09/25/03	-10000.000	1000.000	
BLANK	Antimony-125	14234-35-6	U-1.08e-2	n/a	pCi/g	09/25/03	-10000.000	1000.000	
BLANK	Tin-113	13966-06-8	U4.03e-03	n/a	pCi/g	09/25/03	-10000.000	1000.000	
BLANK	Tin-126	15832-50-5	U7.01e-03	n/a	pCi/g	09/25/03	-10000.000	1000.000	
BLANK	Thorium-234	15065-10-8	U1.02e-01	n/a	pCi/g	09/25/03	-10000.000	1000.000	
BLANK	Thallium-208	14913-50-9	U1.03e-02	n/a	pCi/g	09/25/03	-10000.000	1000.000	
BLANK	Uranium-235	15117-96-1	U1.51e-02	n/a	pCi/g	09/25/03	-10000.000	1000.000	
BLANK	Zinc-65	13982-39-3	U8.25e-03	n/a	pCi/g	09/25/03	-10000.000	1000.000	
LCS	Americium-241	14596-10-2	4.12e+03	105.102	% Recov	09/16/03	80.000	120.000	
LCS	Cobalt-60	10198-40-0	4.38e+03	104.535	% Recov	09/16/03	80.000	120.000	
LCS	Cesium-137	10045-97-3	3.89e+03	108.659	% Recov	09/16/03	80.000	120.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031244
 Matrix: SOLID
 Test: Ammonia (N) by IC

SAF Number: F03-006
 Sample Date: 09/10/03
 Receive Date: 09/10/03

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
---------	---------	-------	----------	----------	-------	---------------	-------------	-------------	----

Lab ID: W030000817
 BATCH QC ASSOCIATED WITH SAMPLE

DUP	Ammonia (N) by IC	7664-41-7	< 2.00e-1	n/a	RPD	09/30/03	0.000	20.000	U
MS	Ammonia (N) by IC	7664-41-7	1.50e-01	90.909	% Recov	09/30/03	75.000	125.000	
MSD	Ammonia (N) by IC	7664-41-7	1.43e-01	86.667	% Recov	09/30/03	75.000	125.000	

BATCH QC

BLNK-PREP	Ammonia (N) by IC	7664-41-7	< 4.00e-3	n/a	Ratio	09/30/03			U
BLNK-PREP	Ammonia (N) by IC	7664-41-7	< 4.00e-3	n/a	Ratio	09/30/03			U
LCS	Ammonia (N) by IC	7664-41-7	7.63e+01	92.039	% Recov	09/30/03	80.000	120.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031244
 Matrix: SOLID
 Test: Uranium Isotopics by AEA

SAF Number: F03-006
 Sample Date: 09/10/03
 Receive Date: 09/10/03

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
---------	---------	-------	----------	----------	-------	---------------	-------------	-------------	----

Lab ID: W030000817
 BATCH QC ASSOCIATED WITH SAMPLE

DUP	Uranium-238	0-238	1.4e-01	0.712	RPD	10/01/03	0.000	20.000	
-----	-------------	-------	---------	-------	-----	----------	-------	--------	--

BATCH QC

BLANK	Uranium-238	24678-82-8	1.4e-02	0.014	PCG	10/01/03	0.000	1000.000	
LCS	Uranium-238	24678-82-8	4.0e+01	105.513	% Recov	10/01/03	75.000	125.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031244
 Matrix: SOLID
 Test: Plutonium Isotopics by AEA

SAF Number: F03-006
 Sample Date: 09/10/03
 Receive Date: 09/10/03

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
---------	---------	-------	----------	----------	-------	---------------	-------------	-------------	----

Lab ID: W030000817
 BATCH QC ASSOCIATED WITH SAMPLE

DUP	Pu-239/240 by AEA	PU-239/240	5.7e-03	42.553	RPD	10/01/03	0.000	20.000	*
-----	-------------------	------------	---------	--------	-----	----------	-------	--------	---

BATCH QC

BLANK	Pu-239/240 by AEA	PU-239/240	9.2e-03	0.009	PCG	10/01/03	0.000	1000.000	
LCS	Pu-239/240 by AEA	PU-239/240	1.2e+01	97.561	% Recov	10/01/03	75.000	125.000	

WSCF ANALYTICAL LABORATORY QC REPORT

2-52

SDG Number: WSCF20031244
Matrix: SOLID
Test: Americium by AEA

SAF Number: F03-006
Sample Date: 09/10/03
Receive Date: 09/10/03

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
Lab ID: W030000817 BATCH QC ASSOCIATED WITH SAMPLE									
DUP	Americium-241	14596-10-2	1.8e-02	10.526	RPD	10/01/03	0.000	20.000	
BATCH QC									
BLANK	Americium-241	14596-10-2	3.3e-02	0.033	PCG	10/01/03	0.000	1000.000	
LCS	Americium-241	14596-10-2	1.3e+01	98.859	% Recov	10/01/03	75.000	125.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031244
 Matrix: SOLID
 Test: NWTPH-GX TPH Gasoline Range

SAF Number: F03-006
 Sample Date: 09/10/03
 Receive Date: 09/10/03

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
---------	---------	-------	----------	----------	-------	---------------	-------------	-------------	----

Lab ID: W030000817
BATCH QC ASSOCIATED WITH SAMPLE

MS	Total Pet. Hydrocarbons Gas	TPHGASOLINE	3530	102.319	% Recov	09/17/03	50.000	150.000	
MSD	Total Pet. Hydrocarbons Gas	TPHGASOLINE	3600	104.348	% Recov	09/17/03	50.000	150.000	
SPK-RPD	Total Pet. Hydrocarbons Gas	TPHGASOLINE	104.348	1.964	RPD	09/17/03	0.000	20.000	

BATCH QC

BLANK	Total Pet. Hydrocarbons Gas	TPHGASOLINE	<250	n/a	mg/L	09/17/03	0.000	300.000	U
LCS	Total Pet. Hydrocarbons Gas	TPHGASOLINE	3430	99.420	% Recov	09/17/03	85.000	115.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031244
 Matrix: SOLID
 Test: Alcohols, Glycols - 8015

SAF Number: F03-006
 Sample Date: 09/10/03
 Receive Date: 09/10/03

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
Lab ID: W030000817									
BATCH QC ASSOCIATED WITH SAMPLE									
MS	2-Bromoethanol	540-51-2	17300	89.175	%Recover	09/23/03	70.000	125.000	
MS	Diethyl ether	60-29-7	14300	73.711	%Recover	09/23/03	75.000	125.000	
MS	Ethylene glycol	107-21-1	16200	83.505	%Recover	09/23/03	75.000	125.000	
MS	Methanol	67-56-1	17300	89.175	%Recover	09/23/03	75.000	125.000	
MSD	2-Bromoethanol	540-51-2	15300	78.866	%Recover	09/23/03	70.000	125.000	
MSD	Diethyl ether	60-29-7	13600	70.103	%Recover	09/23/03	75.000	125.000	
MSD	Ethylene glycol	107-21-1	15300	78.866	%Recover	09/23/03	75.000	125.000	
MSD	Methanol	67-56-1	20000	103.093	%Recover	09/23/03	75.000	125.000	
SPK-RPD	2-Bromoethanol	540-51-2	78.866	12.270	RPD	09/23/03	0.000	20.000	
SPK-RPD	Diethyl ether	60-29-7	70.103	5.018	RPD	09/23/03	0.000	20.000	
SPK-RPD	Ethylene glycol	107-21-1	78.866	5.714	RPD	09/23/03	0.000	20.000	
SPK-RPD	Methanol	67-56-1	103.093	14.478	RPD	09/23/03	0.000	20.000	
BATCH QC									
BLANK	2-Bromoethanol	540-51-2	16000	0.800	ug/Kg	09/23/03	0.000	10.000	
BLANK	Diethyl ether	60-29-7	<5000	n/a	ug/Kg	09/23/03	0.000	10.000	U
BLANK	Ethylene glycol	107-21-1	<5000	n/a	ug/Kg	09/23/03	0.000	5.000	U
BLANK	Methanol	67-56-1	<1000	n/a	ug/Kg	09/23/03	0.000	10.000	U
LCS	2-Bromoethanol	540-51-2	17000	85.000	%Recover	09/23/03	70.000	130.000	
LCS	Diethyl ether	60-29-7	15100	75.500	%Recover	09/23/03	70.000	130.000	
LCS	Ethylene glycol	107-21-1	15100	75.500	%Recover	09/23/03	70.000	130.000	
LCS	Methanol	67-56-1	16000	80.000	%Recover	09/23/03	70.000	130.000	

WSCF ANALYTICAL LABORATORY QC REPORT

2-55

SDG Number: WSCF20031244
 Matrix: SOLID
 Test: VOA Ground Water Protection

SAF Number: F03-006
 Sample Date: 09/10/03
 Receive Date: 09/10/03

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
Lab ID: W030000817									
BATCH QC ASSOCIATED WITH SAMPLE									
MS	1,1-Dichloroethene	75-35-4	48.000	93.200	% Recov	09/22/03	63.000	117.000	
MS	Benzene	71-43-2	53.000	103.000	% Recov	09/22/03	75.000	129.000	
MS	4-Bromofluorobenzene	460-00-4	98.000	95.200	% Recov	09/22/03	84.000	116.000	
MS	Chlorobenzene	108-90-7	53.000	103.000	% Recov	09/22/03	79.000	119.000	
MS	1,2-Dichloroethane-d4	17060-07-0	100.00	97.100	% Recov	09/22/03	82.000	136.000	
MS	Toluene-d8	2037-26-5	100.00	97.100	% Recov	09/22/03	89.000	119.000	
MS	Toluene	108-88-3	53.000	103.000	% Recov	09/22/03	76.000	120.000	
MS	Trichloroethene	79-01-6	52.000	101.000	% Recov	09/22/03	73.000	123.000	
MSD	1,1-Dichloroethene	75-35-4	50.000	97.100	% Recov	09/22/03	63.000	117.000	
MSD	Benzene	71-43-2	53.000	103.000	% Recov	09/22/03	75.000	129.000	
MSD	4-Bromofluorobenzene	460-00-4	99.000	96.100	% Recov	09/22/03	84.000	116.000	
MSD	Chlorobenzene	108-90-7	53.000	103.000	% Recov	09/22/03	79.000	119.000	
MSD	1,2-Dichloroethane-d4	17060-07-0	100.00	97.100	% Recov	09/22/03	82.000	136.000	
MSD	Toluene-d8	2037-26-5	100.00	97.100	% Recov	09/22/03	89.000	119.000	
MSD	Toluene	108-88-3	54.000	105.000	% Recov	09/22/03	76.000	120.000	
MSD	Trichloroethene	79-01-6	52.000	101.000	% Recov	09/22/03	73.000	123.000	
SPK-RPD	1,1-Dichloroethene	75-35-4	97.100	4.099	RPD	09/22/03	0.000	25.000	
SPK-RPD	Benzene	71-43-2	103.000	0.000	RPD	09/22/03	0.000	25.000	
SPK-RPD	4-Bromofluorobenzene	460-00-4	96.100	0.941	RPD	09/22/03	0.000	25.000	
SPK-RPD	Chlorobenzene	108-90-7	103.000	0.000	RPD	09/22/03	0.000	25.000	
SPK-RPD	1,2-Dichloroethane-d4	17060-07-0	97.100	0.000	RPD	09/22/03	0.000	25.000	
SPK-RPD	Toluene-d8	2037-26-5	97.100	0.000	RPD	09/22/03	0.000	25.000	
SPK-RPD	Toluene	108-88-3	105.000	1.923	RPD	09/22/03	0.000	25.000	
SPK-RPD	Trichloroethene	79-01-6	101.000	0.000	RPD	09/22/03	0.000	25.000	
SURR	4-Bromofluorobenzene	460-00-4	99.000	96.100	% Recov	09/22/03	71.000	125.000	
SURR	1,2-Dichloroethane-d4	17060-07-0	100.00	97.100	% Recov	09/22/03	80.000	134.000	

WSCF ANALYTICAL LABORATORY QC REPORT

2-56

SDG Number: WSCF20031244
 Matrix: SOLID
 Test: VOA Ground Water Protection

SAF Number: F03-006
 Sample Date: 09/10/03
 Receive Date: 09/10/03

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
SURR	Toluene-d8	2037-26-5	100.00	97.100	% Recov	09/22/03	80.000	126.000	

Lab ID: W030000818
 BATCH QC ASSOCIATED WITH SAMPLE

SURR	4-Bromofluorobenzene	460-00-4	97.000	94.900	% Recov	09/22/03	71.000	125.000	
SURR	1,2-Dichloroethane-d4	17060-07-0	100.00	97.200	% Recov	09/22/03	80.000	134.000	
SURR	Toluene-d8	2037-26-5	100.00	97.200	% Recov	09/22/03	80.000	126.000	

Lab ID: W030000819
 BATCH QC ASSOCIATED WITH SAMPLE

SURR	4-Bromofluorobenzene	460-00-4	99.000	97.000	% Recov	09/22/03	71.000	125.000	
SURR	1,2-Dichloroethane-d4	17060-07-0	100.00	98.000	% Recov	09/22/03	80.000	134.000	
SURR	Toluene-d8	2037-26-5	100.00	98.000	% Recov	09/22/03	80.000	126.000	

BATCH QC

BLANK	1,1-Dichloroethane	75-34-3	< 2.0	n/a	ug/Kg	09/22/03			U
BLANK	1,1,1-Trichloroethane	71-55-6	< 2.0	n/a	ug/Kg	09/22/03			U
BLANK	1,1,2-Trichloroethane	79-00-5	< 2.0	n/a	ug/Kg	09/22/03			U
BLANK	1,1,2,2-Tetrachloroethane	79-34-5	< 2.0	n/a	ug/Kg	09/22/03			U
BLANK	1,1-Dichloroethene	75-35-4	< 2.0	n/a	ug/Kg	09/22/03			U
BLANK	1,2-Dichloroethane	107-06-2	< 2.0	n/a	ug/Kg	09/22/03			U
BLANK	1,2-Dichloroethene(Total)	540-59-0	< 2.0	n/a	ug/Kg	09/22/03			U
BLANK	1-Butanol	71-36-3	< 40	n/a	ug/Kg	09/22/03			U
BLANK	2-Hexanone	591-78-6	< 2.0	n/a	ug/Kg	09/22/03			U
BLANK	2-Pentanone	107-87-9	< 2.0	n/a	ug/Kg	09/22/03			U
BLANK	4-Methyl-2-Pentanone	108-10-1	< 2.0	n/a	ug/Kg	09/22/03			U
BLANK	Acetone	67-64-1	< 2.0	n/a	ug/Kg	09/22/03			U
BLANK	Bromodichloromethane	75-27-4	< 2.0	n/a	ug/Kg	09/22/03			U
BLANK	Benzene	71-43-2	< 2.0	n/a	ug/Kg	09/22/03			U
BLANK	4-Bromofluorobenzene	460-00-4	96.000	96.000	% Recov	09/22/03	71.000	125.000	

WSCF ANALYTICAL LABORATORY QC REPORT

2-57

SDG Number: WSCF20031244
 Matrix: SOLID
 Test: VOA Ground Water Protection

SAF Number: F03-006
 Sample Date:
 Receive Date:

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
BLANK	Bromoform	75-26-2	< 2.0	n/a	ug/Kg	09/22/03			U
BLANK	n-Butylbenzene	104-51-8	< 2.0	n/a	ug/Kg	09/22/03			U
BLANK	Carbon disulfide	75-15-0	< 2.0	n/a	ug/Kg	09/22/03			U
BLANK	Carbon tetrachloride	56-23-5	< 2.0	n/a	ug/Kg	09/22/03			U
BLANK	Dibromochloromethane	124-48-1	< 2.0	n/a	ug/Kg	09/22/03			U
BLANK	Chloroform	67-66-3	< 2.0	n/a	ug/Kg	09/22/03			U
BLANK	Chlorobenzene	108-90-7	< 2.0	n/a	ug/Kg	09/22/03			U
BLANK	cis-1,3-Dichloropropene	10061-01-5	< 2.0	n/a	ug/Kg	09/22/03			U
BLANK	Chloroethane	75-00-3	< 2.0	n/a	ug/Kg	09/22/03			U
BLANK	1,2-Dichloroethane-d4	17060-07-0	100.00	100.000	% Recov	09/22/03	80.000	134.000	
BLANK	1,2-Dichloropropane	78-87-5	< 2.0	n/a	ug/Kg	09/22/03			U
BLANK	Ethylbenzene	100-41-4	< 2.0	n/a	ug/Kg	09/22/03			U
BLANK	Bromomethane	74-83-9	< 2.0	n/a	ug/Kg	09/22/03			U
BLANK	Chloromethane	74-87-3	< 2.0	n/a	ug/Kg	09/22/03			U
BLANK	2-Butanone	78-93-3	< 2.0	n/a	ug/Kg	09/22/03			U
BLANK	Methylenechloride	75-09-2	< 2.0	n/a	ug/Kg	09/22/03			U
BLANK	Tetrachloroethene	127-18-4	< 2.0	n/a	ug/Kg	09/22/03			U
BLANK	Styrene	100-42-5	< 2.0	n/a	ug/Kg	09/22/03			U
BLANK	Xylenes (total)	1330-20-7	< 2.0	n/a	ug/Kg	09/22/03	0.000	300.000	U
BLANK	Toluene-d8	2037-26-5	100.00	100.000	% Recov	09/22/03	80.000	126.000	
BLANK	Toluene	108-88-3	< 2.0	n/a	ug/Kg	09/22/03			U
BLANK	trans-1,3-Dichloropropene	10061-02-6	< 2.0	n/a	ug/Kg	09/22/03			U
BLANK	Trichloroethene	79-01-6	< 2.0	n/a	ug/Kg	09/22/03			U
BLANK	Vinyl chloride	75-01-4	< 2.0	n/a	ug/Kg	09/22/03			U
LCS	1,1-Dichloroethene	75-35-4	90.000	90.000	% Recov	09/22/03	70.000	140.000	
LCS	Benzene	71-43-2	99.000	99.000	% Recov	09/22/03	70.000	130.000	
LCS	4-Bromofluorobenzene	460-00-4	97.000	97.000	% Recov	09/22/03	71.000	125.000	
LCS	Chlorobenzene	108-90-7	100.00	100.000	% Recov	09/22/03	70.000	130.000	
LCS	1,2-Dichloroethane-d4	17060-07-0	100.00	100.000	% Recov	09/22/03	80.000	134.000	
LCS	Toluene-d8	2037-26-5	100.00	100.000	% Recov	09/22/03	80.000	126.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031244
Matrix: SOLID
Test: VOA Ground Water Protection

SAF Number: F03-006
Sample Date:
Receive Date:

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
LCS	Toluene	108-88-3	100.00	100.000	% Recov	09/22/03	70.000	130.000	
LCS	Trichloroethene	79-01-6	98.000	98.000	% Recov	09/22/03	70.000	130.000	

T4180-03-SLF-050

ATTACHMENT 3

SAMPLE RECEIPT INFORMATION

Consisting of 2 pages
Cover page not included

File
VTS
10/10/03

ACKNOWLEDGMENT OF SAMPLES RECEIVED

Ground Water Protection Program

Richland, WA 99352
Attn: Steve Trent

Customer Code: GPP
PO#: 117504/ES20
Group#: 20031244
Project#: F03-006
Proj Mgr: STEVE TRENT A0-21
Phone: 373-5869

The following samples were received from you on 09/10/03. They have been scheduled for the tests listed beside each sample. If this information is incorrect, please contact your service representative. Thank you for using Waste Sampling and Characterization Facility.

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
W030000819	B17HY9	GPP	TRENT Solid, or handle as if solid	09/10/03
		@2008 @8015GPP @AEA-30 @AEA-31 @AEA-32		
		@GEA-GPP @GPP6010 @IC-30 @PCBGPP @SVOCGPP @TPHD		
		@TPHG-WA @VOA-GPP CN-02 NH4-IC PERSOLID PH-30		
W030000817	B17HR8	GPP	TRENT Solid, or handle as if solid	09/10/03
		@2008 @8015GPP @AEA-30 @AEA-31 @AEA-32		
		@GEA-GPP @GPP6010 @IC-30 @PCBGPP @SVOCGPP @TPHD		
		@TPHG-WA @VOA-GPP CN-02 NH4-IC PERSOLID PH-30		
W030000818	B17HY3	GPP	TRENT Solid, or handle as if solid	09/10/03
		@2008 @8015GPP @AEA-30 @AEA-31 @AEA-32		
		@GEA-GPP @GPP6010 @IC-30 @PCBGPP @SVOCGPP @TPHD		
		@TPHG-WA @VOA-GPP CN-02 NH4-IC PERSOLID PH-30		

Test Acronym Description

Test Acronym	Description
@2008	ICP-2008 MS All possible metal
@8015GPP	Alcohols, Glycols - 8015
@AEA-30	Plutonium Isotopics by AEA
@AEA-31	Americium by AEA
@AEA-32	Uranium Isotopics by AEA
@GEA-GPP	Gamma Energy Analysis-grd H2O
@GPP6010	ICP Metals Analysis, Grd H2O P
@IC-30	Anions by Ion Chromatography
@PCBGPP	PCBs complete list
@SVOCGPP	SW-846 8270B Semi-Vols
@TPHD-WA	WTPH-D TPH Diesel Range (Wa)
@TPHG-WA	NWTPH-GX TPH Gasoline Range
@VOA-GPP	VOA Ground Water Protection
CN-02	Cyanide by Midi/Spectrophotom
NH4-IC	Ammonia (N) by IC
PERSOLID	Percent Solids
PH-30	pH Soil and Waste Measurement

VB
3/21

